

BV-BRC Test Report

S9. Protein Structures Search

Item to test	Protein Structures Search
URL	https://www.bv-brc.org/searches/ProteinStructureSearch
Prerequisites	None
References	https://www.bv-brc.org/docs/quick_references/searches_menu.html https://www.bv-brc.org/docs/quick_references/organisms_taxon/protein_structures.html
Tester(s)	Rebecca Wattam, Ron Kenyon
Test date	08-Jan-2022 (original - passed), 6-May-2022 (follow-up - passed)
Test Result	Passed

Overview

- Test the Protein Structures Search using representative search criteria.
- Test using example Taxon Name and PDB ID.
- Test using example Keyword.
- Inspect search results to verify that they match search criteria.

Test Results

- Test results were verified by examination of returned data via inspection and filters.
- All searches returned expected data, with results matching search criteria.

Keyword and Other Search Criteria

Taxon Name: Bartonella henseslae

PDB ID: 3HHE

Advanced Search

Protein Structure Search

Search for experimentally characterized protein structures of interest using generic keywords, pathogen group or taxon name, PDB id, description, or protein product. For further explanation, please see the [Advanced Structure Search Quick Reference Guide](#).

Keyword
<input type="text" value="Search term"/>
Taxon Name
<input type="text" value="Bartonella henseslae"/>
PDB ID
<input type="text" value="e.g. 1EA3"/>
Genome ID
<input type="text" value="444178.3"/>
BRC ID
<input type="text" value="fig 114727.5.CDS.1"/>
Description
<input type="text" value="Description"/>
Gene
<input type="text" value="dnaA"/>
Product
<input type="text" value="ABC transporter"/>
Method
<input type="text" value="e.g. X-ray diffraction"/>
Additional
<input type="text" value="pdb id"/> <input type="text" value="3HHE"/> +

Reset

Search

Result:

Structures



DOWNLOAD

KEYWORDS



ADV Search



FILTERS

<input type="checkbox"/>	PDB ID	Title	Organism Name	BRC ID	UniProtKB Accession	Gene	Product	Method	Release Date	
<input type="checkbox"/>	3HHE	Crystal structure of ribose-5-phosphate isom	Bartonella hens	figj283166.5.peg.698	Q6G3V6	rpiA	Ribose-5-phosphate isomerase A	X-ray diffractor	2009-05-26TC	

1 - 1 of 1 results

< 1 >

Keyword: Kpna2

Result:

Protein Structure List View
PROTEIN STRUCTURES: Kpna2 (34 Structures)

Structures

DOWNLOAD KEYWORDS ADV Search FILTERS

<input type="checkbox"/>	PDB ID	Title	Organism Name	BRC ID	UniProtKB Accession	Gene	Product	Method	Release Date	<input type="checkbox"/>
<input type="checkbox"/>	5SVZ	HIV-1 Tat NLS in complex with importin alpha	Mus musculus,		P52293	Kpna2	Importin subunit alpha-1	X-ray diffractor	2016-08-31TC	
<input type="checkbox"/>	5V5O	Structure of NLS2K of influenza A virus nucle	Mus musculus		P52293	Kpna2	Importin subunit alpha-1	X-ray diffractor	2018-03-14TC	
<input type="checkbox"/>	5HUW	Structure of HSV-1 Large Terminase NLS bo	Mus musculus,		P52293	Kpna2	Importin subunit alpha-1	X-ray diffractor	2016-03-09TC	
<input type="checkbox"/>	5HUY	Structure of HCMV Small Terminase NLS bo	Mus musculus,		P52293	Kpna2	Importin subunit alpha-1	X-ray diffractor	2016-03-16TC	
<input type="checkbox"/>	4HTV	Mouse importin alpha: BFDV Cap NLS peptic	Mus musculus	patric_id	P52293,Q68	Kpna2,C1	Importin subunit alpha-1,Putative capsid protein (Fragme	X-ray diffractor	2012-11-28TC	
<input type="checkbox"/>	7RFX	Importin alpha2 in complex with MERS ORF4	Mus musculus,	patric_id	T2BB21,P52	Kpna2	Importin subunit alpha-1	X-ray diffractor	2021-07-28TC	
<input type="checkbox"/>	5FC8	Mouse importin alpha: Dengue 3 NS5 C-term	Dengue virus 3		P52293,B6V	Kpna2	Importin subunit alpha-1	X-ray diffractor	2016-05-18TC	
<input type="checkbox"/>	7RFY	Importin alpha3 in complex with MERS ORF4	Homo sapiens,	patric_id	O00629,T2B	KPNA4	Importin subunit alpha-3	X-ray diffractor	2021-07-28TC	
<input type="checkbox"/>	5W41	Zika MR766 NLS in complex with Importin al	Mus musculus,		P52293,Q32	Kpna2	Importin subunit alpha-1	X-ray diffractor	2018-06-13TC	
<input type="checkbox"/>	5B56	Crystal structure of HIV-1 VPR C-Terminal do	Mus musculus		P52293,Q73	Kpna2,vpr	Importin subunit alpha-1,Protein Vpr	X-ray diffractor	2016-06-01TC	
<input type="checkbox"/>	7RFZ	Importin alpha 2 in complex with MERS ORF4	Mus musculus,	patric_id	P52293,T2BI	Kpna2	Importin subunit alpha-1	X-ray diffractor	2021-07-28TC	
<input type="checkbox"/>	7L04	Crystal Structure of Adeno-Associated Virus I	Adeno-associat	patric_id	P52293	Kpna2	Importin subunit alpha-1	X-ray diffractor	2021-02-24TC	
<input type="checkbox"/>	5V5P	Structure of NLS2R of influenza A virus nucle	Mus musculus	fig 336205.4.CDS.1	Q45VS8,P52	NP,Kpna2	Nucleoprotein (Fragment),Importin subunit alpha-1	X-ray diffractor	2018-03-14TC	
<input type="checkbox"/>	5WUN	Crystal structure of mouse importin-alpha1 b	Mus musculus		P52293,P03	Kpna2,EBNA1	Importin subunit alpha-1,Epstein-Barr nuclear antigen 1	X-ray diffractor	2017-01-25TC	
<input type="checkbox"/>	3VE6	Crystal Structure Analysis of Venezuelan Equ	Mus musculus,	patric_id	P52293,Q9V	Kpna2	Importin subunit alpha-1	X-ray diffractor	2012-01-25TC	
<input type="checkbox"/>	7RG2	Importin alpha2 in complex with MERS ORF4	Mus musculus,	patric_id	P52293,T2BI	Kpna2	Importin subunit alpha-1	X-ray diffractor	2021-08-25TC	
<input type="checkbox"/>	5HHG	Mouse importin alpha: Dengue 2 NS5 C-term	Dengue virus ty		P52293,P12I	Kpna2	Importin subunit alpha-1	X-ray diffractor	2016-05-18TC	
<input type="checkbox"/>	4UAD	Importin alpha 7 delta IBB in complex with In	Homo sapiens,	fig 392809.10.CDS.1	O60684,P31	KPNA6,PB2	Importin subunit alpha-7,Polymerase basic protein 2	X-ray diffractor	2015-02-04TC	
<input type="checkbox"/>	4UAE	Importin alpha 3 delta IBB in complex with In	Homo sapiens,	fig 392809.10.CDS.1	O00629,P31	KPNA4,PB2	Importin subunit alpha-3,Polymerase basic protein 2	X-ray diffractor	2015-02-04TC	
<input type="checkbox"/>	4UAF	Importin alpha 1 delta IBB in complex with In	Mus musculus,	fig 392809.10.CDS.1	P52293,P31	Kpna2,PB2	Importin subunit alpha-1,Polymerase basic protein 2	X-ray diffractor	2015-02-04TC	
<input type="checkbox"/>	7RG3	Importin alpha2 in complex with MERS ORF4	Mus musculus,	patric_id	P52293,T2BI	Kpna2	Importin subunit alpha-1	X-ray diffractor	2021-08-25TC	
<input type="checkbox"/>	6BW1	Hendra virus W protein C-terminus in comple	Hendra virus,M		P52293,P0C	Kpna2,P/V/C	Importin subunit alpha-1,Protein W	X-ray diffractor	2018-07-04TC	
<input type="checkbox"/>	7RG0	Importin alpha2 in complex with MERS ORF4	Mus musculus,	patric_id	P52293,T2BI	Kpna2	Importin subunit alpha-1	X-ray diffractor	2021-07-28TC	
<input type="checkbox"/>	7RG1	Importin alpha2 in complex with MERS ORF4	Mus musculus,	patric_id	P52293,T2BI	Kpna2	Importin subunit alpha-1	X-ray diffractor	2021-07-28TC	
<input type="checkbox"/>	5WUM	Crystal structure of mouse importin-alpha1 b	Mus musculus		P03211,P52	EBNA1,Kpna2	Epstein-Barr nuclear antigen 1,Importin subunit alpha-1	X-ray diffractor	2017-01-25TC	
<input type="checkbox"/>	6BW0	Nipah virus W protein C-terminus in complex	Nipah virus,Mu	fig 121791.321.p	P0C1C7,P52	P/V/C,Kpna2	Protein W,Importin subunit alpha-1	X-ray diffractor	2018-07-04TC	
<input type="checkbox"/>	6BWA	Hendra virus W protein C-terminus in comple	Homo sapiens,		O00629,P0C	KPNA4,P/V/C	Importin subunit alpha-3,Protein W	X-ray diffractor	2018-07-04TC	
<input type="checkbox"/>	2JDQ	C-terminal domain of influenza A virus polym	HOMO SAPIEN	fig 392809.10.CDS.1	P31345,P52	PB2,KPNA1	Polymerase basic protein 2,Importin subunit alpha-5	X-ray diffractor	2007-02-27TC	
<input type="checkbox"/>	4U2X	Ebola virus VP24 in complex with Karyopheri	Zaire ebolaviru	fig 128952.4.CDS.8	Q05322,O15	VP24,KPNA5	Membrane-associated protein VP24,Importin subunit alp	X-ray diffractor	2014-08-13TC	
<input type="checkbox"/>	6BVV	Nipah virus W protein C-terminus in complex	Homo sapiens,	fig 121791.321.p	P0C1C7,O0C	P/V/C,KPNA4	Protein W,Importin subunit alpha-3	X-ray diffractor	2018-07-04TC	
<input type="checkbox"/>	6BWB	Hendra virus W protein C-terminus in comple	Homo sapiens,		P0C1C6,O0C	P/V/C,KPNA4	Protein W,Importin subunit alpha-3	X-ray diffractor	2018-07-04TC	
<input type="checkbox"/>	7RG6	Importin alpha2 in complex with ORF4B Bat	Mus musculus,	fig 694008.189.CDS.6	A3EXD3,P52	ORF4b,Kpna2	Non-structural protein ORF4b,Importin subunit alpha-1	X-ray diffractor	2021-08-25TC	
<input type="checkbox"/>	5X8N	Crystal structure of mouse importin-alpha1 b	Mus musculus		P52293,Q8A	Kpna2,EBNA-LP	Importin subunit alpha-1,Epstein-Barr nuclear antigen 1	X-ray diffractor	2017-04-19TC	
<input type="checkbox"/>	4ZDU	Crystal structure of importin-alpha bound to a	Mus musculus,	fig 211044.37.CDS.1	P52293,P03	Kpna2,NP	Importin subunit alpha-1,Nucleoprotein	X-ray diffractor	2015-10-21TC	

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