Dnaj Homolog Subfamily B Member 2 (DNAJB2) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	DnaJ homolog subfamily B member 2 (Dnajb2), Recombinant Protein
Full Product Name	Recombinant Mouse DnaJ homolog subfamily B member 2 (Dnajb2)
Product Gene Name	Dnajb2 recombinant protein
Product Synonym Gene Name	Dnajb2
Sequence	ASYYEILDVP RSASPDDIKK AYRKKALQWH PDKNPDNKEF AEKKFKEVAE AYEVLSDKHK REIYDRYGRE GLTGAGSGPS RSETGGAGPG FTFTFRSPEE VFREFFGSGD PFSELFDDLG VFSELQNQGP RLTGPFFTFS SSFPANSDFS SSSFSFSPGA GAFRSVSTST TFVQGRRITT RRIMENGQER VEVEEDGQLK SVSINGVPDD LALGLELSRR EQQPSVAPGL GVMQVRPTSL SRPPDHDLSE DEDLQLAMAY SLSEMEAAGQ KPADVF
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	28,583 Da
Sequence Positions	2-277, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9QYI5
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Dnajb2 recombinant protein	MBS1334149 is a recombinant protein targeting Dnajb2. Also known as Recombinant Mouse DnaJ homolog subfamily B member 2 (Dnajb2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Dnajb2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Dnajb2. It may not necessarily be applicable to this product.

NCBI GI #	229577332
NCBI GeneID	56812
NCBI Accession #	NP_001153355.1
UniProt Primary Accession #	Q9QYI5
UniProt Secondary Accession #	Q3TB24; Q8BPF6; Q921S2

UniProt Related Accession #	Q9QYI5
GenBank Nucleotide #	NM_001159883.1
NCBI Official Full Name	dnaJ homolog subfamily B member 2 isoform 3
NCBI Official Synonym Full Names	DnaJ heat shock protein family (Hsp40) member B2
NCBI Official Symbol	Dnajb2
NCBI Official Synonym Symbols	Hsj1; mDj8; Dnajb10; 2700059H22Rik
UniProt Protein Name	DnaJ homolog subfamily B member 2
UniProt Synonym Protein Names	DnaJ homolog subfamily B member 10
Protein Family	DnaJ homolog subfamily
UniProt Gene Name	Dnajb2
NCBI Protein Information	dnaJ homolog subfamily B member 2
UniProt Comments for Dnajb2	Functions as a co-chaperone, regulating the substrate binding and activating the ATPase activity of chaperones of the HSP70/heat shock protein 70 family. In parallel, also contributes to the ubiquitin-dependent proteasomal degradation of misfolded proteins. Thereby, may regulate the aggregation and promote the functional recovery of misfolded proteins like HTT, MC4R, PRKN, RHO and SOD1 and be crucial for many biological processes. Isoform 1 which is localized to the endoplasmic reticulum membranes may specifically function in ER-associated protein degradation of misfolded proteins.
Research Articles on Dnajb2	**1.** Hsc70, Hdj1 and Hdj2 interact with soluble and fibrillar alpha-synuclein
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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