Dnaj Homolog Subfamily C Member 3 (DNAJC3) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	DnaJ homolog subfamily C member 3 (Dnajc3), Recombinant Protein
Full Product Name	Recombinant Rat DnaJ homolog subfamily C member 3 (Dnajc3)
Product Gene Name	Dnajc3 recombinant protein
Product Synonym Gene Name	Dnajc3
Sequence	GVNADVEKHL ELGKKLLAAG QLADALSQFH AAVDGDPDNY IAYYRRATVF LAMGKSKAAL PDLTRVIELK MDFTAARLQR GHLLLKQGRL AEAEDDFKKV LKSNPSENEE KEAQSQLVKA DEMQRLRAQA LDAFDSADYT AAITFLDEIL EVCVWDAELR ELRAECFIKE GEPRKAISDL KAASKLKNDN TEAFYKISIL YYQLGDHELS LSEVRECLKL DQDHKRCFAH YKQVKKLNKL IGSAEELIRD GRYTDATSKY ESVMKAEPSV AEYTVRSKER ICHCFSKDEK PVEAIKICSE VLQLEPDNVN ALKDRAEAYL IEEMYDEAIQ DYEAAQEQNE NDQQIREGLE KAQRLLKQSQ KRDYYKILGV KRNAKKQEII KAYRKLALQW HPDNFQSEEE KKKAEKKFID IAAAKEVLSD PEMRRKFDDG EDPLDAETQQ GGGSNPFHRS WDSWQGFNPF SSGGPFRFKF HFN
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	57,561 Da
Sequence Positions	32-504, 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 Q9R0T3
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Dnajc3 recombinant protein	This protein contains multiple tetratricopeptide repeat (TPR) motifs as well as the highly conserved J domain found in DNAJ chaperone family members. It is a member of the tetratricopeptide repeat family of proteins and acts as an inhibitor of the interferon-induced, dsRNA-activated protein kinase (PKR).
Other Notes	Small volumes of Dnajc3 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.
Searchable Terms for Dnajc3 purchase	MBS1323646 is a recombinant protein targeting Dnajc3. Also known as Recombinant Rat DnaJ homolog subfamily C member 3 (Dnajc3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Dnajc3. It may not necessarily be applicable to this product.

NCBI GI #	11560030

NCBI GeneID	63880
NCBI Accession #	NP_071568.1
UniProt Primary Accession #	Q9R0T3
UniProt Secondary Accession #	Q6P7A0
UniProt Related Accession #	Q9R0T3
GenBank Nucleotide #	NM_022232.1
NCBI Official Full Name	dnaJ homolog subfamily C member 3
NCBI Official Synonym Full Names	DnaJ heat shock protein family (Hsp40) member C3
NCBI Official Symbol	Dnajc3
UniProt Protein Name	DnaJ homolog subfamily C member 3
UniProt Synonym Protein Names	Interferon-induced, double-stranded RNA-activated protein kinase inhibitor; Protein kinase inhibitor of 58 kDa; Protein kinase inhibitor p58
Protein Family	DnaJ homolog subfamily
UniProt Gene Name	Dnajc3
UniProt Synonym Gene Names	P58ipk; Protein kinase inhibitor p58
NCBI Protein Information	dnaJ homolog subfamily C member 3
NCBI Summary for Dnajc3	mouse homolog inhibits interferon-induced double-stranded RNA-activated protein kinase (PKR) [RGD, Feb 2006]
UniProt Comments for Dnajc3	Involved in the unfolded protein response (UPR) during ER stress. Co-chaperone of HSPA8/HSC70, it stimulates its ATPase activity. May inhibit both the autophosphorylation of EIF2AK2/PKR and the ability of EIF2AK2 to catalyze phosphorylation of the EIF2A. May inhibit EIF2AK3/PERK activity ().
Research Articles on Dnajc3	**1.** Endoplasmic reticulum stress activation and p58(IPK) expression control the fate of malignant cells facing glucose shortage.
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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