Chaperone Protein Dnaj (dnaJ) Vibrio Cholerae Serotype O1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Chaperone protein DnaJ (dnaJ), Recombinant Protein
Full Product Name	Recombinant Vibrio cholerae serotype O1 Chaperone protein DnaJ (dnaJ)
Product Gene Name	dnaJ recombinant protein
Sequence	MSKRDFYEVL GVGRDASERD IKKAYKRLAM KYHPDRNSGD AGAAEKFKEV KEAYEILTDA QKKAAYDQYG HAAFEQGAGG FGGGGFGGGG ADFGDIFGDV FGDIFGGGRR GGGPRAQRGS DLRYNMELSL EEAVRGCSKE IEVPTLVHCD ACDGSGAKKG TSAQTCGTCH GHGQVQMRQG FFAVQQTCPT CHGKGKIIKD PCNVCHGQGR KQKTKTLNVK IPAGVDTGDR IRLSGEGEAG EMGAPAGDLY VQVHVKEHHI FERDGNNLYC EVPVSFAMAA LGGEVEVPTL DGRVSLKVPA ETQTGRMFRM RGKGVKGVRS AALGDLIVKL VVETPVNLSA RQKELLKEFE ESCGGEAATK HKPKAEGFFN GVKKFFDDLT S
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	40,822 Da
Sequence Positions	1-381, Full length
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 A5F362
Species	Vibrio cholerae serotype O1 (strain 39541 / Ogawa 395 / O395)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for dnaJ recombinant protein	MBS1164217 is a recombinant protein targeting dnaJ. Also known as Recombinant Vibrio cholerae serotype O1 Chaperone protein DnaJ (dnaJ). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of dnaJ 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 dnaJ. It may not necessarily be applicable to this product.

NCBI GI #	445966059
NCBI Accession #	WP_000043914.1
UniProt Primary Accession #	A5F362
UniProt Secondary Accession #	C3LYM0
GenBank Nucleotide #	WP_000043914.1

NCBI Official Full Name	molecular chaperone DnaJ
UniProt Protein Name	Chaperone protein DnaJ
Protein Family	Chaperone protein
UniProt Gene Name	dnaJ
UniProt Comments for dnaJ	Participates actively in the response to hyperosmotic and heat shock by preventing the aggregation of stress-denatured proteins and by disaggregating proteins, also in an autonomous, DnaK-independent fashion. Unfolded proteins bind initially to DnaJ; upon interaction with the DnaJ-bound protein, DnaK hydrolyzes its bound ATP, resulting in the formation of a stable complex. GrpE releases ADP from DnaK; ATP binding to DnaK triggers the release of the substrate protein, thus completing the reaction cycle. Several rounds of ATP-dependent interactions between DnaJ, DnaK and GrpE are required for fully efficient folding. Also involved, together with DnaK and GrpE, in the DNA replication of plasmids through activation of initiation proteins.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/chaperone-protein-dnaj-dnaj/1164217