Heat Shock Protein 42 (HSP42) Saccharomyces Cerevisiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Heat shock protein 42 (HSP42), Recombinant Protein
Full Product Name	Recombinant Saccharomyces cerevisiae Heat shock protein 42 (HSP42)
Product Gene Name	HSP42 recombinant protein
Product Synonym Gene Name	HSP42
Sequence	MSFYQPSLSL YDVLNALSNQ TGQRGQQGYP RQPQRPQRYH PHYGQVHVGG HHPRHHPLYS RYNGVPNTYY YQFPGQAYYY SPEYGYDDED GEEEDQDEDM VGDSGTTRQE DGGEDSNSRR YPSYYHCNTA RNNRTNQQAN SLNDLLTALI GVPPYEGTEP EIEANTEQEG EKGEEKDKKD KSEAPKEEAG ETNKEKPLNQ LEESSRPPLA KKSSSFAHLQ APSPIPDPLQ VSKPETRMDL PFSPEVNVYD TEDTYVVVLA LPGANSRAFH IDYHPSSHEM LIKGKIEDRV GIDEKFLKIT ELKYGAFERT VKFPVLPRIK DEEIKATYNN GLLQIKVPKI VNDTEKPKPK KRIAIEEIPD EELEFEENPN PTVEN
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	42,817 Da
Sequence Positions	1-375, 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 Q12329
Species	Saccharomyces cerevisiae (strain 204508 / S288c) (Baker's yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for HSP42 recombinant protein	MBS1351957 is a recombinant protein targeting HSP42. Also known as Recombinant Saccharomyces cerevisiae Heat shock protein 42 (HSP42). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of HSP42 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 HSP42. It may not necessarily be applicable to this product.

NCBI GI #	6320376
NCBI GeneID	851751
NCBI Accession #	NP_010456.1
UniProt Primary Accession #	Q12329

UniProt Secondary Accession #	D6VSF3
UniProt Related Accession #	Q12329
GenBank Nucleotide #	NM_001180478.1
NCBI Official Full Name	heat shock protein HSP42
NCBI Official Symbol	HSP42
UniProt Protein Name	Heat shock protein 42
UniProt Synonym Protein Names	42 kDa heat shock protein
Protein Family	Heat shock protein
UniProt Gene Name	HSP42
NCBI Protein Information	heat shock protein HSP42
UniProt Comments for HSP42	Miscellaneous: Present with 1470 molecules/cell in log phase SD medium.
Research Articles on HSP42	**1.** Cue5 and Hsp42 provide a quality control checkpoint in yeast directed at recycling dysfunctional 26S proteasomes
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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