Catalase-Peroxidase (katG) Escherichia Coli O6 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Catalase-peroxidase (katG), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O6 Catalase-peroxidase (katG)
Product Gene Name	katG recombinant protein
Product Synonym Gene Name	katG
Sequence	MSTSDDIHNT TATGKCPFHQ GGHDQSAGGG TTTRDWWPNQ LRVDLLNQHS NRSNPLGEDF DYRKEFSKLD YYGLKKDLKA LLTESQPWWP ADWGSYAGLF IRMAWHGAGT YRSIDGRGGA GRGQQRFAPL NSWPDNVSLD KARRLLWPIK QKYGQKISWA DLFILAGNVA LENSGFRTFG FGAGREDVWE PDLDVNWGDE KAWLTHRHPE ALAKAPLGAT EMGLIYVNPE GPDHSGEPLS AAAAIRATFG NMGMNDEETV ALIAGGHTLG KTHGAGPTSN VGPDPEAAPI EEQGLGWAST YGSGVGADAI TSGLEVVWTQ TPTQWSNYFF ENLFKYEWVQ TRSPAGAIQF EAVDAPEIIP DPFDPSKKRK PTMLVTDLTL RFDPEFEKIS RRFLNDPQAF NEAFARAWFK LTHRDMGPKS RYIGPEVPKE DLIWQDPLPQ PIYNPTEQDI IDLKFAIADS GLSVSELVSV AWASASTFRG GDKRGGANGA RLALMPQRDW DVNAAAVRAL PVLEKIQKES GKASLADIIV LAGVVGVEKA ASAAGLSIHV PFAPGRVDAR QDQTDIEMFE LLEPIADGFR NYRARLDVST TESLLIDKAQ QLTLTAPEMT ALVGGMRVLG ANFDGSKNGV FTDRVGVLSN DFFVNLLDMR YEWKATDESK ELFEGRDRET GEVKYTASRA DLVFGSNSVL RAVAEVYASS DAHEKFVKDF VAAWVKVMNL DRFDLL
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	80,026 Da
Sequence Positions	1-726aa, 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 Q8FBA9
Species	Escherichia coli O6
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for katG recombinant protein	MBS1432352 is a recombinant protein targeting katG. Also known as Recombinant Escherichia coli O6 Catalase-peroxidase (katG). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of katG 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 katG. It may not necessarily be applicable to this product.

NCBI GI #	481042250

NCBI Accession #	WP_001296626.1
UniProt Primary Accession #	Q8FBA9
GenBank Nucleotide #	WP_001296626.1
NCBI Official Full Name	MULTISPECIES: catalase-peroxidase
UniProt Protein Name	Catalase-peroxidase
UniProt Synonym Protein Names	Peroxidase/catalase
Protein Family	Catalase-peroxidase
UniProt Gene Name	katG
UniProt Synonym Gene Names	CP
UniProt Comments for katG	Bifunctional enzyme with both catalase and broad-spectrum peroxidase activity.
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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