Catalase-A (catA) Dictyostelium Discoideum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Catalase-A (catA), Recombinant Protein
Full Product Name	Recombinant Dictyostelium discoideum Catalase-A (catA)
Product Gene Name	catA recombinant protein
Sequence	MSAPVLTTSS GSPIDNNLNS MTAGVNGPIL IQDFTLIDKL AHFDRERIPE RVVHAKGAGA HGYFEVPSSD VPKWCKAKFL NKVGKRTPIF TRFSTVGGEK GSSDSERDPR GFAVKFYTEE GNFDMVGNNT PVFFIRDPSK FPDFIHTQKR NPQTNCKDPN MFWDFLGQTP ESTHQVSILF SDRGTPKSYR HMHGFSSHTL KFVNAQGKPY WVKLHFTSET GIQNYTAEEA AKMSMNDPDS ATRDLFETIA KGGEPAWKVS IQLMEFEDAL KYRFNPFDVT KIWSHKDYPL IQIGRMVLNR NPENYFAEVE QAAFSPSHMV PGIEPSPDKM LQGRLFSYPD THRHRLGVNY QQIPVNCPFA VKGGVKNYQR DGFMAVNGNG GKGPNYQPNS FGGPEPHPEF AQHKFDVSGF AARQPYNHPN DDFVQPGDLY RLMSEDAKSR FVSNLVGHMS GVTIKEIQVR AVSNFYKADK DLGARLCKGL GIDVNDVIKF AARSNL
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	55,680 Da
Sequence Positions	1-496, 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 O77229
Species	Dictyostelium discoideum (Slime mold)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for catA recombinant protein	MBS1242122 is a recombinant protein targeting catA. Also known as Recombinant Dictyostelium discoideum Catalase-A (catA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of catA 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 catA. It may not necessarily be applicable to this product.

NCBI GI #	66820608
NCBI GeneID	8619320
NCBI Accession #	XP_643894.1
UniProt Primary Accession #	O77229

UniProt Secondary Accession #	Q556B6; Q86A71
GenBank Nucleotide #	XM_638802.1
NCBI Official Full Name	hypothetical protein DDB_G0274595
NCBI Official Symbol	catA
UniProt Protein Name	Catalase-A
Protein Family	Catalase
UniProt Gene Name	catA
UniProt Synonym Gene Names	cat
NCBI Protein Information	hypothetical protein
UniProt Comments for catA	Occurs in almost all aerobically respiring organisms and serves to protect cells from the toxic effects of hydrogen peroxide.
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