Catalase-Peroxidase 2 (Katg2), Partial (katG2) Magnaporthe Oryzae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Catalase-peroxidase 2 (katG2), partial, Recombinant Protein
Full Product Name	Recombinant Magnaporthe oryzae Catalase-peroxidase 2 (katG2), partial
Product Gene Name	katG2 recombinant protein
Product Synonym Gene Name	katG2; MagKatG2; MGG_09834
Product Synonym Names	Catalase-peroxidase 2; CP 2; EC=1.11.1.21; Peroxidase/catalase 2
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	85,587 Da
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 A4QUT2
Species	Magnaporthe oryzae (strain 70-15 / MYA-4617 / FGSC 8958) (Rice blast fungus) (Pyricularia oryzae)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for katG2 recombinant protein	MBS1253188 is a recombinant protein targeting katG2. Also known as Recombinant Magnaporthe oryzae Catalase-peroxidase 2 (katG2), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of katG2 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 katG2. It may not necessarily be applicable to this product.

NCBI GI #	389645550
NCBI GeneID	2680833
NCBI Accession #	XP_003720407.1
UniProt Primary Accession #	A4QUT2
UniProt Secondary Accession #	G4NII0
UniProt Related Accession #	EDJ95794
GenBank Nucleotide #	XM_003720359.1
NCBI Official Full Name	catalase-peroxidase 2

NCBI Official Symbol	MGG_09834
UniProt Protein Name	Catalase-peroxidase 2
UniProt Synonym Protein Names	Peroxidase/catalase 2
Protein Family	Catalase-peroxidase
UniProt Gene Name	KATG2
UniProt Synonym Gene Names	CP 2
UniProt Entry Name	KATG2_MAGO7
NCBI Protein Information	catalase-peroxidase 2
UniProt Comments for katG2	Bifunctional enzyme with both catalase and broad-spectrum peroxidase activity. Confers resistance to H2O2 in hyphae. May play an antioxidative role in fungal defense against the host-produced H2O2 (oxidative burst) at the early stage of plant infection.
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