Neutral Peroxidase Ipomoea Batatas Recombinant Protein

PRODUCT OVERVIEW

Product Name	Neutral peroxidase, Recombinant Protein
Full Product Name	Recombinant Ipomoea batatas Neutral peroxidase
Sequence	DSNCVFSAVK EIVDAAITAE TRMGASLIRL HFHDCFVDGC DGGILLNDTA NFTGEQGAPA NSNSVRGFSV IDQAKRNAQT KCADTPVSCA DVLAIAARDA FRKFTNQTYN ITLGRQDART ANLTGANTQL PAPFDNLSIQ TAKFADKGFN QREMVVLAGA HTVGFSRCAV LCTSTNLNQN RSATLQCTCP ASANDTGLVG LDPSPGTFDK KYFEELVKGQ GLLFSDQELM QSNATVTAVR RYRDATGAFL TDFAAAMVKM SNLPPSAGVQ LEIRNVCSRV N
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	37,186 Da
Sequence Positions	68-348, 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 O04796
Species	Ipomoea batatas (Sweet potato) (Convolvulus batatas)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Neutral peroxidase recombinant protein	MBS1263464 is a recombinant protein targeting Neutral peroxidase. Also known as Recombinant Ipomoea batatas Neutral peroxidase. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Neutral peroxidase 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 Neutral peroxidase. It may not necessarily be applicable to this product.

NCBI GI #	33516948
NCBI Accession #	O04796.1
UniProt Primary Accession #	O04796
NCBI Official Full Name	Neutral peroxidase
UniProt Protein Name	Neutral peroxidase
UniProt Synonym Protein Names	SwPN1
Protein Family	Neutral peroxidase

UniProt Comments for Neutral peroxidase	Removal of H2O2, oxidation of toxic reductants, biosynthesis and degradation of lignin, suberization, auxin catabolism, response to environmental stresses such as wounding, pathogen attack and oxidative stress. These functions might be dependent on each isozyme/isoform in each plant tissue.
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