Peroxidase 4 (Gsvivt00023967001, Loc100257005) (GSVIVT00023967001) Vitis Vinifera Recombinant Protein

PRODUCT OVERVIEW

Product Name	Peroxidase 4 (GSVIVT00023967001, LOC100257005), Recombinant Protein
Full Product Name	Recombinant Vitis vinifera Peroxidase 4 (GSVIVT00023967001, LOC100257005)
Product Gene Name	GSVIVT00023967001 recombinant protein
Sequence	QLSTNFYSKT CPKVFDTVKS GVQSAVSKER RMGASLLRLF FHDCFVNGCD ASVLLDDTSS FTGEQTAVPN KNSIRGLNVI DNIKSQVESV CPGVVSCADI IAIAARDSVV ILGGPDWDVK LGRRDSKTAS LSGANNNIPP PTSSLSNLIS KFQAQGLSTR DMVALSGAHT IGQARCTSFR ARIYNETNID SSFAKTRQAS CPSASGSGDN NLAPLDLQTP TTFDNYYYKN LINQKGLLHS DQVLYNGGST DSTVKTYVNN PKTFTSDFVA GMIKMGDITP LTGSEGEIRK SCGKVN
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	34,060 Da
Sequence Positions	26-321, 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 A7NY33
Species	Vitis vinifera (Grape)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GSVIVT00023967001 recombinant protein	MBS1149355 is a recombinant protein targeting GSVIVT00023967001. Also known as Recombinant Vitis vinifera Peroxidase 4 (GSVIVT00023967001, LOC100257005). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of GSVIVT00023967001 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 GSVIVT00023967001. It may not necessarily be applicable to this product.

NCBI GI #	225434381
NCBI GeneID	100257005
NCBI Accession #	XP_002269918.1
UniProt Primary Accession #	A7NY33

UniProt Related Accession #	A7NY33
GenBank Nucleotide #	XM_002269882.4
NCBI Official Full Name	peroxidase 4
NCBI Official Symbol	LOC100257005
UniProt Protein Name	Peroxidase 4
UniProt Gene Name	GSVIVT00023967001
NCBI Protein Information	peroxidase 4
UniProt Comments for GSVIVT00023967001	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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