(E)-Beta-Farnesene Synthase (TPS10) Zea Mays Recombinant Protein

PRODUCT OVERVIEW

Product Name	(E)-beta-farnesene synthase (TPS10), Recombinant Protein
Full Product Name	Recombinant Zea mays (E)-beta-farnesene synthase (TPS10), partial
Product Gene Name	TPS10 recombinant protein
Product Synonym Gene Name	TPS10
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	61,534 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 Q2NM15
Species	Zea mays (Maize)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TPS10 recombinant protein	MBS1385835 is a recombinant protein targeting TPS10. Also known as Recombinant Zea mays (E)-beta-farnesene synthase (TPS10), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of TPS10 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 TPS10. It may not necessarily be applicable to this product.

NCBI GI #	806638752
NCBI GeneID	732751
NCBI Accession #	NP_001105850.2
UniProt Primary Accession #	Q2NM15
UniProt Secondary Accession #	Q2NM14
UniProt Related Accession #	Q2NM15; C7E5V7; C7E5V8
GenBank Nucleotide #	NM_001112380.2
NCBI Official Full Name	(E)-beta-farnesene synthase
NCBI Official Symbol	tps10

NCBI Official Synonym Symbols	GRMZM2G179092
UniProt Protein Name	(E)-beta-farnesene synthase
UniProt Synonym Protein Names	Terpene synthase 10
Protein Family	Probable alpha,alpha-trehalose-phosphate synthase
UniProt Gene Name	TPS10
NCBI Protein Information	(E)-beta-farnesene synthase
UniProt Comments for TPS10	Sesquiterpene cyclase catalyzing the production of mainly beta-farnesene and alpha-bergamotene in equal amounts from farnesyl diphosphate. Involved in indirect defense by producing volatile signals attracting natural enemies of herbivores.
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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