Abietadienol/Abietadienal Oxidase (CYP720B1) Pinus Taeda Recombinant Protein

PRODUCT OVERVIEW

Product Name	Abietadienol/abietadienal oxidase (CYP720B1), Recombinant Protein
Full Product Name	Recombinant Pinus taeda Abietadienol/abietadienal oxidase (CYP720B1), partial
Product Gene Name	CYP720B1 recombinant protein
Product Synonym Gene Name	CYP720B1
Sequence	MADQISLLLV VFTAAVALLH LIYRWWNAQR GQKRTSNEKN QELHLPPGST GWPLIGETYS YYRSMTSNRP RQFIDDREKR YDSDVFVSHL FGSQAVISSD PQFNKYVLQN EGRFFQAHYP KALKALIGDY GLLSVHGDLQ RKLHGIAVNL LRFERLKFDF MEEIQNLVHS TLDRWVDKKE IALQNECHQM VLNLMAKQLL DLSPSKETNE ICELFVDYTN AVIAIPIKIP GSTYAKGLKA RELLIRKISN MIKERRDHPH IVHKDLLTKL LEEDSISDEI ICDFILFLLF AGHETSSRAM TFAIKFLTTC PKALTQMKEE HDAILKAKGG HKKLEWDDYK SMKFTQCVIN ETLRLGNFGP GVFRETKEDT KVKDCLIPKG WVVFAFLTAT HLDEKFHNEA LTFNPWRWEL DQDVSNNHLF SPFGGGARLC PGSHLARLEL ALFLHIFITR FRWEALADEH PSYFPLPYLA KGFPMRLYNR E
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	55,702 Da
Sequence Positions	1-481
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 Q50EK6
Species	Pinus taeda (Loblolly pine)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CYP720B1 recombinant protein	MBS1471961 is a recombinant protein targeting CYP720B1. Also known as Recombinant Pinus taeda Abietadienol/abietadienal oxidase (CYP720B1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CYP720B1 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 CYP720B1. It may not necessarily be applicable to this product.

NCBI GI #	75319888
NCBI Accession #	Q50EK6.1
UniProt Primary Accession #	Q50EK6

NCBI Official Full Name	Abietadienol/abietadienal oxidase
UniProt Protein Name	Abietadienol/abietadienal oxidase
UniProt Synonym Protein Names	Cytochrome P450 720B1; Cytochrome P450 CYPA
Protein Family	Abietadienol/abietadienal oxidase
UniProt Gene Name	CYP720B1
UniProt Synonym Gene Names	PtAO
UniProt Comments for CYP720B1	Multifunctional and multisubstrate cytochrome P450 that oxidizes the respective carbon 18 of abietadienol, abietadienal, levopimaradienol, isopimara-7,15-dienol, isopimara-7,15-dienal, dehydroabietadienol, and dehydroabietadienal.
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