Trans-Cinnamate 4-Monooxygenase (CYP73A14), Partial (CYP73A14) Glycyrrhiza Echinata Recombinant Protein

PRODUCT OVERVIEW

Product Name	Trans-cinnamate 4-monooxygenase (CYP73A14), partial, Recombinant Protein
Full Product Name	Recombinant Glycyrrhiza echinata Trans-cinnamate 4-monooxygenase (CYP73A14), partial
Product Gene Name	CYP73A14 recombinant protein
Product Synonym Gene Name	CYP73A14; CYP73
Product Synonym Names	Trans-cinnamate 4-monooxygenase; EC=1.14.13.11; Cinnamic acid 4-hydroxylase; C4H; CA4H; Cytochrome P450 73; Cytochrome P450C4H
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	57,988 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 Q96423
Species	Glycyrrhiza echinata (Licorice)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CYP73A14 recombinant protein	MBS1328620 is a recombinant protein targeting CYP73A14. Also known as Recombinant Glycyrrhiza echinata Trans-cinnamate 4-monooxygenase (CYP73A14), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CYP73A14 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 CYP73A14. It may not necessarily be applicable to this product.

NCBI GI #	3915095
NCBI Accession #	Q96423.1
UniProt Primary Accession #	Q96423
NCBI Official Full Name	Trans-cinnamate 4-monooxygenase
UniProt Protein Name	Trans-cinnamate 4-monooxygenase
UniProt Synonym Protein Names	Cinnamic acid 4-hydroxylase; C4H; CA4H; Cytochrome P450 73; Cytochrome P450C4H

UniProt Gene Name	CYP73A14
UniProt Synonym Gene Names	CYP73; C4H; CA4H
UniProt Entry Name	TCMO_GLYEC
UniProt Comments for CYP73A14	Controls carbon flux to pigments essential for pollination or UV protection, to numerous pytoalexins synthesized by plants when challenged by pathogens, and to lignins.
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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