Cytochrome P450 82c4 (CYP82C4) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cytochrome P450 82C4 (CYP82C4), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Cytochrome P450 82C4 (CYP82C4) , partial
Product Gene Name	CYP82C4 recombinant protein
Product Synonym Gene Name	CYP82C4
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	58,919 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 Q9SZ46
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CYP82C4 recombinant protein	MBS1349963 is a recombinant protein targeting CYP82C4. Also known as Recombinant Arabidopsis thaliana Cytochrome P450 82C4 (CYP82C4) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CYP82C4 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 CYP82C4. It may not necessarily be applicable to this product.

NCBI GI #	15236586
NCBI GeneID	829324
NCBI Accession #	NP_194922.1
UniProt Primary Accession #	Q9SZ46
UniProt Related Accession #	Q9SZ46
GenBank Nucleotide #	NM_119345.3
NCBI Official Full Name	cytochrome P450, family 82, subfamily C, polypeptide 4
NCBI Official Symbol	CYP82C4

NCBI Official Synonym Symbols	"cytochrome P450; cytochrome P450; F11C18.7; family 82; polypeptide 4; polypeptide 4"; subfamily C
UniProt Protein Name	Cytochrome P450 82C4
Protein Family	Cytochrome
UniProt Gene Name	CYP82C4
NCBI Protein Information	cytochrome P450, family 82, subfamily C, polypeptide 4
NCBI Summary for CYP82C4	The gene encodes a cytochrome P450 enzyme, CYP82C. It is involved in the early Fe deficiency response.
UniProt Comments for CYP82C4	Can hydroxylate 8-methoxypsoralen to form 5-hydroxy-8-methoxypsoralen in vivo and in vitro. Involved in the early iron deficiency response, possibly through an IDE1-like mediated pathway.
Research Articles on CYP82C4	**1.** CYP82C4 (cytochrome P450, family 82, subfamily C, polypeptide 4) expression correlates with expression of genes involved in metal uptake and transport.
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