Isoleucine N-Monooxygenase 1 (CYP79D3) Lotus Japonicus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Isoleucine N-monooxygenase 1 (CYP79D3), Recombinant Protein
Full Product Name	Recombinant Lotus japonicus Isoleucine N-monooxygenase 1 (CYP79D3), partial
Product Gene Name	CYP79D3 recombinant protein
Product Synonym Gene Name	CYP79D3
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	61,261 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 Q6J541
Species	Lotus japonicus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CYP79D3 recombinant protein	MBS1385571 is a recombinant protein targeting CYP79D3. Also known as Recombinant Lotus japonicus Isoleucine N-monooxygenase 1 (CYP79D3), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CYP79D3 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 CYP79D3. It may not necessarily be applicable to this product.

NCBI GI #	75290560
NCBI Accession #	Q6J541.1
UniProt Primary Accession #	Q6J541
NCBI Official Full Name	Isoleucine N-monooxygenase 1
UniProt Protein Name	Isoleucine N-monooxygenase 1
UniProt Synonym Protein Names	Cytochrome P450 79D3
Protein Family	Isoleucine N-monooxygenase
UniProt Gene Name	CYP79D3

UniProt Comments for CYP79D3	Involved in the biosynthesis of the cyanogenic glucosides linamarin and lotaustralin and of the nitirle glucosides rhodiocyanoside A and D. Can use L-isoleucine > L-valine as substrate, but not L-leucine, L-phenylalanine or L-tyrosine.
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