

Recombinant Full Length Manihot Esculenta Valine N-Monooxygenase 2(Cyp79D2) Protein, His-Tagged

Cat. No. RFL24902MF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Manihot esculenta Valine N-monooxygenase 2(CYP79D2) Protein (Q9M7B7) (1-541aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Manihot esculenta (Cassava) (Jatropha manihot)
Source	E.coli
ProteinLength	Full Length (1-541)
Form	Lyophilized powder
AA Sequence	MAMNVSTTATTTASFASTSSMNNTAKILLITLFISIVSTVIKLQKRASYKKASKNFPLPP GPTPWPLIGNIPEMIRYRPTFRWIHQLMKDMNTDICLIRFGKTNVVPISCPVIAAREILKK HDAVFSNRPKILCAKTMSGGYLTIVVPYNDQWKKMRKVLTSSEISPARHKWLHDKR AEE ADQLVFIYINNQYKSNKNVNVRIAARHYGGNVIRKMMFSKRYFGKGMPDGGPG PEEIMHVD AIFTALKYLYGFCISDYLPFLEGLDLGQEKIVLNANKTIRDLQNPLIEERI QQWRSGER KEMEDLLDVFITLQSDGKPLLNPDEIKNQIAEIMIATIDNPANAVEWA MGELINQPELL AKATEELDRVVGKDRVLVQESDIPNLNYVKACAREAFRLHPVAYFNV PHVAMEDAVIGDYF IPKGSWAILSRYGLGRNPKTWPDPKLYDPERHLNEGEVVLTE HDLRFVTFSTGRRGCVAA LLGTTMITMMLARMLQCFTWTPPPNVTRIDLSENIDELT PATPITGFAKPRLAPHLPTS P
Purity	Greater than 90% as determined by SDS-PAGE.

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name	CYP79D2
Synonyms	CYP79D2; Valine N-monooxygenase 2; Cytochrome P450 79D2
UniProt ID	Q9M7B7

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