

Recombinant Full Length Manihot Esculenta 2-Methylbutanal Oxime Monooxygenase(Cyp71E7) Protein, His-Tagged

Cat. No. RFL35659MF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Manihot esculenta 2-methylbutanal oxime monooxygenase(CYP71E7) Protein (Q6XQ14) (1-511aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Manihot esculenta (Cassava) (Jatropha manihot)
Source	E.coli
ProteinLength	Full Length (1-511)
Form	Lyophilized powder
AA Sequence	MSVAILTSLPPQWLSILAVFLLPILTLLLFRGKDDNQKKGLKLPPGPRQLPLIGNLHQL G GQPYVDFWKMAKKYGPVMYLQLGRCPTVVLSSSTETSKELMKDRDVECCSRPLS VGPGQLS YNFLDVAFSPYSDYWREMRKLFIFELLSMRRVQTFWYAREEQMDKMIEI LDGAYPNPVNL TEKVFNMMDGIIGTIAFGRTTYAQQEFRDGFVKVLAATMDMLDNF HAENFFPVVGRFIDS LTGALAKRQRTFTDVDRYFEKVIEQHLDPNRPKPETEDIVDV LIGLMKDESTSFKITKD H VKAILMNVFVGGIDTSAVTITWAFSELLKNPKLMKKAQEE VRRVAVGNPKRRVEGKEVEKI KYIDCIVKETFRKHPPVPLLVPHFMSMKHCKIGGYDILP GTTIYVNAWAMGKDPTIWENPE EYNPDRFMNSEVDFRGSDFELVPFGAGRRICPG LAMGTTAVKYILSNLLYGWDYEMPRGK KFEDFPLIEEGGLTVHNKQDIMVIPKKHKW D
Purity	Greater than 90% as determined by SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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	CYP71E7
Synonyms	CYP71E7; c15; 2-methylbutanal oxime monooxygenase; Cytochrome P450 71E7
UniProt ID	Q6XQ14

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