

Recombinant Full Length Sorghum Bicolor 4-Hydroxyphenylacetaldehyde Oxime Monooxygenase(Cyp71E1) Protein, His-Tagged

Cat. No. RFL25027SF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Sorghum bicolor 4-hydroxyphenylacetaldehyde oxime monooxygenase(CYP71E1) Protein (O48958) (1-531aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Sorghum bicolor (Sorghum) (Sorghum vulgare)
Source	E.coli
ProteinLength	Full Length (1-531)
Form	Lyophilized powder
AA Sequence	MATTATPQLLGGSVPQQWQTCLLVLLPVLLVSYLLTSRSRNRSRSGKLGGAPRLP PGPA QLPILGNLHLLGPLPHKNLRELARRYGPVMQLRLGTVPTVVSSAEAAAREVLK VHDVDCC SRPASPGPKRLSYDLKNVGFAPYGEYWREMRKLFLELLSMRRVKAAC YAREQEMDRLVA DLDRAAASKASIVLNDHVFALTDGIIGTVAFGNIYASKQFAHKER FQHVLDDAMDMMASF SAEDFFPNAAGRLADRLSGFLARRERIFNELDVFFFEKVIDQ HMDPARPVPDNGGDLVDVL INLCKEHDGTLRFTRDHVKAIVLDTFIGAIDTSSVTILW AMSELMRKPQVLRKAQAEVRA AVGDDKPRVNSEDAAKIPYLMVVKETLRLHPPAT LLVPRETMRDTTICGYDVPANTRVF VNAWAIGRDPASWPAPDEFNPDRFVGSDVD YYGSHFELIPFGAGRRICPGLTMGETNVTF TLANLLCYDWALPGAMKPEDVSMEE TGALTFRKKTPLVVVPTKYKNRRAA

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Purity	Greater than 90% as determined by SDS-PAGE.
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	CYP71E1
Synonyms	CYP71E1; 4-hydroxyphenylacetaldehyde oxime monooxygenase; Cytochrome P450 71E1
UniProt ID	O48958