

Recombinant Full Length Sorghum Bicolor Obtusifoliol 14-Alpha Demethylase(Cyp51) Protein, His-Tagged

Cat. No. RFL21939SF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Sorghum bicolor Obtusifoliol 14-alpha demethylase(CYP51) Protein (P93846) (1-492aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Sorghum bicolor (Sorghum) (Sorghum vulgare)
Source	E.coli
ProteinLength	Full Length (1-492)
Form	Lyophilized powder
AA Sequence	<p>MDLADIPQQRLMAGLALVVATVIFLKLKLLSFRSGGGKRLPPTIPGAPVVGGLVKFM RG PIPMIREQYAALGSVFTVPIITRRITFLIGPEVSAHFFKGNEMSQQEVYRFNVP TFGP GVVFDVDYSVRQEQFRFFTEALRANKLRSYVDQMVAEAEYFSKWGESGTV DLKYELEHL IILTASRCLL GREVREKLFDDVSALFHDLNNGIQPISVLFPYLPPIPAHKR RDKARARLAE IFATIISRKASGQSEEDMLQCFIDSKYKNGRPTTEGEVTGLLIAALF AGQHTSSITSTW TGAYMLRFKQYFAEAVEEQKDV MKRHGDKIDHDILAEMDVL YRC IKEALRLHPPLIMLLR QSHSDFTVTTKEGKEYDIPKGHIVATSPSFANRLPHIYKNPDS YDPDRFGPGREEDKAAG AFSYISFGGGRHGCLGEPFAYLQIKAIWTHLLRNFEFEL VSPFPENDWNAMVVG IKG EVM VNYKRRKLVVDN</p>
Purity	Greater than 90% as determined by SDS-PAGE.
Applications	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 multiple 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	CYP51
Synonyms	CYP51; Obtusifoliol 14-alpha demethylase; CYPLI; Cytochrome P450 51; Cytochrome P450-LIA1
UniProt ID	P93846

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