

Recombinant Full Length Gibberella Intermedia Ent-Kaurene Oxidase(Cyp503A1) Protein, His-Tagged

Cat. No. RFL28414GF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Gibberella intermedia Ent-kaurene oxidase(CYP503A1) Protein (Q701P2) (1-525aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Gibberella intermedia (Bulb rot disease fungus) (Fusarium proliferatum)
Source	E.coli
ProteinLength	Full Length (1-525)
Form	Lyophilized powder
AA Sequence	MNKSNSMNNTSLERLFQQLVLGLDGIPLMDVHWLIYVAFGAWLCSYVIHVLSSSSTV KVP VVGYSVFEPTWLLRLRFVWEGGSIIGQGYNKFKDSIFQVRKLGTDIVIIPPNFID EVRK LSQDKTRSVEPFINDFAGQYTRGMVFLQSDLQNRVIQQRLTPKLVSLTKVMK EELDYALT KEIPDMKDDEWVEVDISSIMVRLISRISARVFLGPEHCRNQEWTNTAE YSESLFITGFI LRVVPHILRPFIAPLLPSYRTLLRNVSSGRRVIGDIIRSQQGDGNEDIL SWMRDAATGEE KQIDNIAQRMLILSLASIHTTAMTMTHAMYDLCARPEYIEPLRDEV KGVVDASGWDKTAL NRLHRLDSFLKESQRFNPFLLTFNRIYHQSM T L S D G T N L P S GTRIAVPSHAMLQDSAHV PGPTPTEFDGFRYSKIRSDSNYAQKYLF S M T D S S N M A FGYGKYACPGRFYASNEMKLTL AILLQFEFKLPDGKGRPRNITIDSDMIPDPRARLC VRKRSLRDE
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	CYP503A1
Synonyms	CYP503A1; Ent-kaurene oxidase; Cytochrome P450 503A1; Cytochrome P450-4
UniProt ID	Q701P2

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