

Recombinant Full Length Eburicol 14-Alpha-Demethylase(Cyp51) Protein, His-Tagged

Cat. No. RFL371PF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Eburicol 14-alpha-demethylase(CYP51) Protein (Q12664) (1-515aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Penicillium italicum (Blue mold)
Source	E.coli
ProteinLength	Full Length (1-515)
Form	Lyophilized powder
AA Sequence	MDLVPLVTGQILGIAYYTTGLFLVSIVLNVIKQLIFYNRKEPPVVFHWIPFIGSTIAYGM DPYQFFFASRAKYGDIFTFILLGKKTTVYLGVEGNEFILNGKLKDVNAEEVYGKLTP VF GSDVVYDCPNSKLMEQKKFIKYGLSQEALESYVPLIADETNAIYKSSPNFKGQSG TIDLA AAMAEITIFTAARTLQGEEVRSKLTSEFADLFHDLDLGFSPINFMLPWAPLPH NASAIKH TTYARDLSGNYP SATGSWRRRQRRRQDKSKGTD MISNLMRCVYRDGTP IPDKEIAHMMIT LLMAGQHSSSAISCWILLRLASQPEMAEKLHAEQIKNLGADLPPLQ YKDMDKLPLL RNVI KETLRLHSSIHTLMRKVKNPMPVPGTDFVPPSHTLLSSPGVT ARDERHFRDPLRWDPHR WESRVEVEDSSDTV DYG YGAVSKGTRSPYLPFGAGRH RCIGEKFAYLNLEVIVATLVREF RFFNPEGMEGV PDTDYSSLFSRPVQPATVRWEV RS
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	CYP51
Synonyms	CYP51; Eburicol 14-alpha-demethylase; CYPLI; Cytochrome P450 51; Cytochrome P450-14DM; Cytochrome P450-LIA1; Sterol 14-alpha demethylase
UniProt ID	Q12664

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