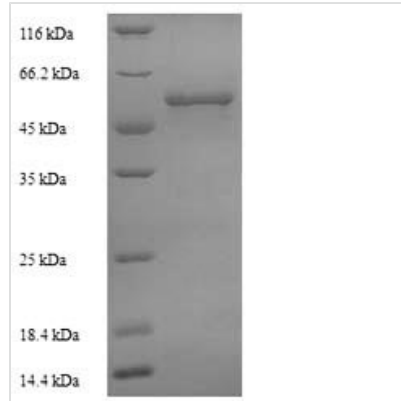




Recombinant Mycobacterium tuberculosis Steroid C26-monooxygenase(cyp125)

Product Code	CSB-YP351308MVZ
Relevance	Catalyzes the C-27 hydroxylation of cholest-4-en-3-one and cholesterol and subsequently oxidizes the alcohol of the former to the cholest-4-en-3-one-27-oic acid via the aldehyde intermediate. Not required to incorporate the cholesterol side-chain carbon atoms into cellular lipids.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P9WPP1
Storage Buffer	Tris-based buffer,50% glycerol
Alias	Cholest-4-en-3-one 26-monooxygenaseCytochrome P450 125Steroid C27-monooxygenase
Product Type	Recombinant Protein
Species	Mycobacterium tuberculosis (strain ATCC 25618 / H37Rv)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MSWNHQSVEIAVRRTTVPSPNLPPGFDFDTPAIYAERLPVAEFAELRSAAPIW WNGQDPGKGGGFHDGGFWAITKLNDVKEISRHSDFSSYENGVIPRFKNDIA REDIEVQRFVMLNMDAPHHTLRKIISRGFTPRAVGR LHDELQERAQKIAAEEAA AAGSGDFVEQVSCLEPLQAIAGLLGVPQEDRGKLFHWSNEMTGNEDEPEYAH DPKASSAELIGYAMKMAEEKAKNPADDIVTQLIQADIDGKLSDDFFGVVML AVAGNETTRNSITQGMMAFAEHPDQWELYKKVRPETADEIVRWATPVTAFAQ RTALRDYELSGVQIKKGQRVVMFYRSANFDEEVFQDPFTFNILRNPNPHVGFG GTGAHYCIGANLARMTINLIFNAVADHMPDLKPI SAPERLRSGWLNIGIKHWQV DYTGRC PVAH
Research Area	Others
Source	Yeast
Gene Names	cyp125
Protein Names	Recommended name: Steroid C27-monooxygenase EC= 1.14.13.- Alternative name(s): Cholest-4-en-3-one monooxygenase Cytochrome P450 125
Expression Region	1-433aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	50.4kDa

**Protein Description****Full Length****Image**

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.