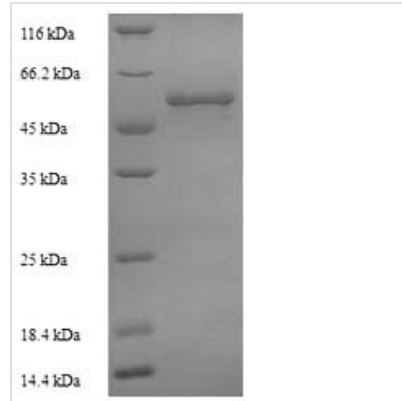




Recombinant Mycobacterium tuberculosis Steroid C26-monooxygenase (cyp125)

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.
Abbreviation	Recombinant Mycobacterium tuberculosis cyp125 protein
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
Alias	Cholest-4-en-3-one 26-monooxygenaseCytochrome P450 125Steroid C27-monooxygenase
Product Type	Recombinant Protein
Immunogen Species	Mycobacterium tuberculosis (strain ATCC 25618 / H37Rv)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MSWNHQSV EIAVRR TTVSPN LPPGDF DTPAIYAERLPVAEFAELRSAAPIW WNGQDPGKGGGFHDGGFWAITKLNDVKEISRHSDFSSYENGVIPRFKNDIA REDIEVQRFVMLNMDAPHHTLRKIISRGFTPRAVGR LHDELQERAQKIAAEEA AAGSGDFVEQVSC ELPLQAIAGLLGVPQEDRGKLFHWSNEMTGNEDPEYAH I DPKASSAELIGYAMKMAEEKAKNPADDIVTQLIQADIDG EKLSDD EFGFFVVML AVAGNETTRNSITQGMMAFAEHPDQWELYKKVRPETADEIVRWATPVTA FQ RTALRDYELSGVQIKKGQRVVMFYRSANFDEE VFQDPFTFNILRNPNPHVGF G GTGAHYCIGANLARM TINLIFNAVADHMPDLKPI SAPERLRSGWLNGIKHWQV DYTGRCPVAH
Research Area	Others
Source	Yeast
Target 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 Length****Full Length****Image**

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

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.

Shelf Life

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.