

Product datasheet for **TP508082**

Cyp51 (NM_020010) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cytochrome P450, family 51 (Cyp51), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208082 representing NM_020010 Red=Cloning site Green=Tags(s)

MVLLGLLQSGGWVLGQAMEQVTGGNLLSTLLIACAFTLSLVYLFRLAVGHMVQLPAGAKSPPHIYSPIPF
 LGHAIAFGKSPIEFLENAYEKYGPVFSFTMVGKTFTYLLGSDAAALLFNSKNEDLNAEEVYGRLLTPVFG
 KGVAYDVPNAIFLEQKKIISGLNIAHFKQYVPIIEKEAKEYFQSWGESGERNVFEALSELILTASHCL
 HGKEIRSQLNEKVAQLYADLDGGFTHAAWLLPAWLPLPSFRRRDRAHREIKNIFYKAIQKRRLSKEPAED
 ILQTLDDSTYKDGRPLTDEEISGMLIGLLLAGQHTSSTTSAWMGFFLAKDKPLQEKCYLEQKAVCGEDLP
 PLTYDQLKDLNLLDRCIKETLRLRPPIMTMMRMAKTPQTVAGYTIPPGHQVCVSPTVNQRLKDSWAERL
 D
 FNPDRYLQDNPASGEKFAYVPFGAGRHRVCGENFAYVQIKTIWSTMLRLYEFDLINGYFPTVNYTTMIHT
 PENPVIRYKRRSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	57.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.


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RefSeq: [NP_064394](#)
Locus ID: 13121
UniProt ID: [Q8K0C4](#)
RefSeq Size: 4353
Cytogenetics: 5 2.3 cM
RefSeq ORF: 1509
Synonyms: AI426508; Cyp51a1; CYPLI; Ldm; P450-14DM; P450LI
Summary: Catalyzes C14-demethylation of lanosterol; it transforms lanosterol into 4,4'-dimethyl cholesta-8,14,24-triene-3-beta-ol.[UniProtKB/Swiss-Prot Function]