

# Recombinant Human CYP51A1 Protein, His-tagged

**Cat. No.** CYP51A1-118H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CYP51A1 Protein(Q16850)(67-509 aa), fused with C-terminal His tag, was expressed in E.coli.                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 67-509 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | 57.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AASequence</b>       | PPYIFSPIPFLGHAIAFGKSPIEFLENAYEKYGPVFSFTMVGKTFTYLLGSDAAALLFN<br>SKNEDLNAEDVYSRLTTPVFGKGVAYDVPNPVFLEQKKMLKSGLNIAHFKQHVSIIK<br>ETKEYFESWGESGEKNVFEALSELIILTASHCLHGKEIRSQLEKVAQLYADLDGGFS<br>HAAWLLPGWLPLPSFRRRDRAHREIKDIFYKAIQKRRQSQEKIDDILQTLLDATYKDG<br>RPLTDDEVAGMLIGLLLAGQHTSSTTSAWMGFFLARDKTLQKKCYLEQKTVCGENL<br>PPLTYDQLKDLNLLDRCIKETLRLRPPIMIMMRMARTPQTVAGYTIPPGHQVCVSPTV<br>NQRLKDSWVERLDFNPDRYLQDNPASGEKFAYVPFGAGRHRICIGENFAYVQIKTIW<br>STMLRLYEFDLIDGYFPTVNYTTMIHTPENPVIRYKRRSK |
| <b>Purity</b>           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                            |

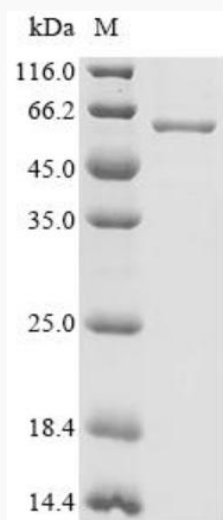
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|                         |                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                     |
| <b>Reconstitution</b>   | 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. |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Name</b>        | CYP51A1 cytochrome P450, family 51, subfamily A, polypeptide 1 [ Homo sapiens ]                                                                                                                                                                                                                                    |
| <b>Official Symbol</b>  | CYP51A1                                                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>         | CP51; CP51A_HUMAN; CYP51; CYP51A1; CYPLI; Cytochrome P450 51; Cytochrome P450 51A1; Cytochrome P450-14DM; Cytochrome P45014DM; Cytochrome P450LI; Lanosterol 14-alpha demethylase; LDM; P450 14DM; P450L1; Sterol 14-alpha demethylase;                                                                            |
| <b>Gene ID</b>          | 1595                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>      | NM_000786.3                                                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>   | NP_000777.1                                                                                                                                                                                                                                                                                                        |
| <b>MIM</b>              | 601637                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID</b>       | Q16850                                                                                                                                                                                                                                                                                                             |

SDS-PAGE



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