

# Recombinant Full Length Pongo Abelii Lanosterol 14-Alpha Demethylase(Cyp51A1) Protein, His-Tagged

**Cat. No.** RFL23172PF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Product Overview</b> | Recombinant Full Length Pongo abelii Lanosterol 14-alpha demethylase(CYP51A1) Protein (Q5RE72) (1-503aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Pongo Abelii                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | Full Length (1-503)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MMLLGLLQAGGSVLGQAMEKVTGGNLLSMLLIACAFTLSLVYLFRLAVGHLVQLPAG<br>AKS PPYIFSPIPFLGHAIAFGKSPIEFLENAYEKYGPVFSFTMVGKTFTYLLGSDAAAL<br>LFNS KNEDLNAEDVYSRLTTPVFGKGVAYDVPNPVFLEQKKMLKSGLNIAHFKQHV<br>SIIKETK EYFESWGESGEKNVFEALSELIILTASHCLHGKEVRSQ LNEKVAQLYADL<br>DGGFSHAAWL LPGWLPLPSFRRRDRAHREIKDIFYKAIQKRRQSQEKIDDILQTLDD<br>ATYKDGRPLTDDE VAGMLIGLLLAGQHTSSTTSAWMGFFLARDKTLQEKCYLEQKT<br>VCGENLPPLTYDQLKDL NLLDRCIKETLRLRPPIMIMMRMARTPQTVAGYTIPPGHQ<br>VCVSPTVNQRLKDSWVERLD FNPDRYLQDNPASGEKFAYVPFGAGRHRHCIGENFA<br>YVQIKTIWSTMLRLYEFDLIDGYFP TVNYTTMIHTPENPVIRYKRRSK |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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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**

CYP51A1

**Synonyms**

CYP51A1; Lanosterol 14-alpha demethylase; LDM; CYPLI; Cytochrome P450 51A1; Cytochrome P450-14DM; Cytochrome P45014DM; Cytochrome P450LI; Sterol 14-alpha demethylase

**UniProt ID**

[Q5RE72](#)

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