

# Recombinant Sheep CYP11A1 protein

**Cat. No.** CYP11A1-5230S    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Sheep CYP11A1 protein(P79202)(40-520 aa) was expressed in Baculovirus.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Sheep                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | Baculovirus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 40-520 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Form</b>             | Tris/PBS-based buffer, 6% Trehalose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AASequence</b>       | <p>I STRTPRPYSE IPSPGDNGWI NLYHFWRKKG SQRIHFHHIE NFQKYGPYIR<br/> EKLGNLESVY IIHPEGVAHL FKFEGSYPQR YDIPPWLAYH RYYQKPIGVL<br/> FKKSGAWKKD RVVLNTEVMA PEAIKNFIPL LNPVSQDFVS LLHKRIKQQG<br/> SGKFVGDIKE DLFRFAFESI TNVMFGERLG MLEDTVDTA QKFIDAVYKM<br/> FHTSVPLLNL PPELYRLFRT KTWDRDHVAW DTIFNKAKEY TEIFYQDLRQ<br/> KTEFRNYPGI LYHLLKSEKM LLEDVKANIT EMLAGGVDTT SMTLQWHLIE<br/> MARSLNVQEM LRKEVLNARR QAEGDISKML QMVPLLKASI KETLRLHPIS<br/> VTLQRYPESD LVLQDYLIPIA KTLVQVAIYA MGRDPAFFSN PDKFDPTRWL<br/> GKDKDLIHFR NLGFGWGVVRQ CVGRRIAELE MTLFLIHILE NFRVEMQQIG<br/> DVNTIFNLIL TPDKPIFLVF RPFNQGPPQA</p> |
| <b>Purity</b>           | >85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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repeated freeze-thaw cycles.

#### 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.

### GENE INFORMATION

**Gene Name** CYP11A1 cytochrome P450, family 11, subfamily A, polypeptide 1 [ *Ovis aries* ]

**Official Symbol** CYP11A1

#### Synonyms

CYP11A1; cytochrome P450, family 11, subfamily A, polypeptide 1; cholesterol side-chain cleavage enzyme, mitochondrial; CYPXIA1; cytochrome P450scc; cytochrome P450 11A1; cytochrome P450(scc); cholesterol desmolase;

**Gene ID** 100048994

**mRNA Refseq** NM\_001093789

**Protein Refseq** NP\_001087258

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