

# Recombinant Full Length Human PARP25 Protein, GST-tagged

**Cat. No.** PARP16-565HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human CYP11A1(1 a.a. - 521 a.a.), fused with GST tag at N-terminal, was expressed in Wheat Germ.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>Protein Length</b>	521 amino acids
<b>Description</b>	<p>This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the mitochondrial inner membrane and catalyzes the conversion of cholesterol to pregnenolone, the first and rate-limiting step in the synthesis of the steroid hormones. Two transcript variants encoding different isoforms have been found for this gene. The cellular location of the smaller isoform is unclear since it lacks the mitochondrial-targeting transit peptide.</p>
<b>Form</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	86.5 kDa
<b>AA Sequence</b>	MLAKGLPPRS VLVKGCQTFI SAPREGLGRL RVPTGEGAGI STRSPRFNE IPSPGDNGWL NLYHFWRETG THKVHLHHVQ NFQKYGPIYR EKLGNVESVY VIDPEDVALL FKSEGNPER FLIPPWVAYH QYYQRPIGVL LKKSAAWKD

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RVALNQEVMMA PEATKNFLPL LDAVSRDFVS VLHRRIKKAG SGNYSGDISD  
 DLFRFAFESI TNVIFGERQG MLEEVVNPEA QRFIDAIYQM FHTSVPMLNL  
 PPDFLRLFRT KTWKDHVAAW DVIFSKADIY TQNFYWELRQ KGSVHHDYRG  
 ILYRLLGDSK MSFEDIKANV TEMPLAGGVD TSM TLQWHLY EMARNLKVQD  
 MLRAEVLAAAR HQAQGDMATM LQLVPLLKAS IKETLRLHPI SVTLQRYLVN  
 DLVLRDYMIP AKTLVQVAIY ALGREPTFFF DPENFDPTRW LSKDKNITYF  
 RNLGFGWGVR QCLGRRIAEL EMTIFLINML ENFRVEIQHL SDVGTTFNLI  
 LMPEKPISFT FWPFNQEATQ Q

**Applications** Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);  
 Antibody Production; Protein Array

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**Gene Name** [CYP11A1 cytochrome P450, family 11, subfamily A, polypeptide 1 \[ Homo sapiens \]](#)

**Official Symbol** [CYP11A1](#)

**Synonyms** CYP11A1; cytochrome P450, family 11, subfamily A, polypeptide 1; CYP11A, cytochrome P450, subfamily XIA (cholesterol side chain cleavage); cholesterol side-chain cleavage enzyme, mitochondrial; cholesterol monooxygenase (side chain cleaving); P450SCC; steroid 20-22-lyase; cytochrome P450 11A1; cytochrome P450(scc); cytochrome P450C11A1; cholesterol 20-22 desmolase; cholesterol monooxygenase (side-chain cleaving); cytochrome P450, subfamily XIA (cholesterol side chain cleavage); CYP11A; CYPXIA1

**Gene ID** [1583](#)

**mRNA Refseq** [NM\\_001099773](#)

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**Protein Refseq** [NP\\_001093243](#)

**MIM** [118485](#)

**UniProt ID** [P05108](#)

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