

Recombinant Full Length Human PARP25 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant full length Human CYP11A1(1 a.a. - 521 a.a.), fused with GST tag at N-terminal, was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	521 amino acids
Description	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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	86.5 kDa
AA Sequence	MLAKGLPPRS VLVKGCQTFI SAPREGLGRL RVPTGEGAGI STRSPRPFNE IPSPGDNGWL NLYHFWRETG THKVHLHHVQ NFQKYGPIYR EKLGNVESVY VIDPEDVALL FKSEGNPER FLIPPWVAYH QYYQRPIGVL LKSAAWKKD

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RVALNQEVMMA PEATKNFLPL LDAVSRDFVS VLHRRRIKKAG SGNYSGLDISD
DLFRFAFESI TNVIFGERQG MLEEVVNPEA QRFIDAIYQM FHTSVPMLNL
PPDLFRLFRT KTWKDHVAAW DVIFSKADIY TQNFYWELRQ KGSVHHDYRG
ILYRLLGDSK MSFEDIKANV TEMPLAGGVD TSM TLQWHLY EMARNLKVQD
MLRAEVLAAR 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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