

Recombinant Human CYP11A1 protein, His-SUMO-tagged

Cat. No. CYP11A1-2785H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CYP11A1 protein(P05108)(40-521aa), fused to N-terminal His tag and SUMO tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	40-521aa
Form	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.
Molecular Mass	72.1 kDa
AA Sequence	ISTRSPRPFNEIPSPGDNGWLNLYHFWRETGTHKVHLHHVQNFQKYGPIYREKLG VESVYVIDPEDVALLFKSEGNPERFLIPPWWAYHQYYQRPIGVLLKKSAAWKKDRV ALNQEVMAPEATKNFLPLLDVSRDFVSVLHRRIKKAGSGNYSGLDSDLFRFATESI TNVIFGERQGMLEEVVNPEAQRFDIAIYQMFHTSVPMNLNPPDLFRLFRTKTWKD AAWDVIFSKADIYTQNFYWELRQKGSVHHDYRGILYRLLGDSKMSFEDIKANVTEML AGGVDTTSMTLQWHLIYEMARNLKVQDMLRAEVLAARHQAQGD MATMLQLVPLLKA SIKETLRLHPISVTLQRYLVNDLVLRDYMIPAKTLVQVAIYALGREPTFFFDPENFDPT RWLSKDKNITYFRNLGFGWGVVRQCLGRRIAELEMTIFLINMLENFRVEIQHLS DVGTT FNLILMPEKPISFTFWPFNQEATQQ

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Purity	Greater than 90% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	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%.

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_000781
Protein Refseq	NP_000772
MIM	118485

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UniProt ID

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