

Recombinant Human CYP11A1 protein, MBP&His-Avi-tagged, Biotinylated

Cat. No. CYP11A1-6443H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CYP11A1 protein(P05108)(40-521aa), fused with N-terminal MBP tag and C-terminal His and Avi tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	40-521a.a.
Tag	MBP&His&Avi
Conjugation/Label	Biotin
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	103.9 kDa
Purity	Greater than 85% 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.

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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.
AA Sequence	ISTRSPRPFNEIPSPGDNGWLNLYHFWRETGTHKVLHHVQNFQKYGPIYREKLG NESVYVIDPEDVALLFKSEGNPERFLIPPWWAYHQYYQRPIGVLLKKSAAWKKDRV ALNQEVMAP EATKNFLPLLDVSRDFVSVLHRRIKKAGSGNYSGDISDDLFRFAFESI TNVIFGERQGMLEEVVNPEAQRFIDAIYQMFHTSVPMNLPPDLFRLFRTKTWKDHF AAWDVIFSKADIYTQNFYWELRQKGSVHHDYRGILYRLLGDSKMSFEDIKANVTEML AGGVDTTSMTLQWHL YEMARNLKVQDMLRAEVLAARHQAQGDMATMLQLVPLLKA SIKETLRLHPISVTLQRYLVNDLVLRDYMIPAKTLVQVAIYALGREPTFFFDPENFDPT RWLSKDKNITYFRNLGFGWGVVRQCLGRRIAELEM TIFLINMLENFRVEIQHLSDVGTT FNLILMPEKPISFTFWPFNQEATQQ
Conjugation	Biotin
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
UniProt ID	P05108

SDS-PAGE
