

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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 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

ISTRSPRPFNEIPSPGDNGWLNLYHFWRETGTHKVHLHHVQNFQKYGPIYREKLG
 VESVYVIDPEDVALLFKSEGNPERFLIPPWVAYHQYYQRPIGVLLKKSAAWKKDRV
 ALNQEVMAP EATKNFLPLLDVSRDFVSVLHRRRIKAGSGNYSGDISDDLFRF AFESI
 TNVIFGERQGMLEEVVNPEAQR FIDAIYQMFHTSV PMLNLPD LFR LFR TKTWKDHV
 AAWDVIFSKADIYTQNFYWELRQKGSVHHDYRGILYRLLGDSKMSFEDIKANVTEML
 AGGVDTTSMTLQWHL YEMARNLKVQDMLRAEVLAARHQAQGD MATMLQLVPLLKA
 SIKETLRLHPISVTLQRYLVNDLVLRDYMIPAKTLVQVAIYALGREPTFFFDPENFDPT
 RWLSKDKNITYFRNLGFGWGV RQCLGRRIAELEM 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;

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Gene ID	1583
mRNA Refseq	NM_000781
Protein Refseq	NP_000772
MIM	118485
UniProt ID	P05108

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