

CYP11A1 Protein, Human, Recombinant (MBP & His & Avi), Biotinylated

General Information

Synonyms:	CYPXIA1;Cholesterol desmolase;CYP11A1;Cytochrome P450(scc);Cytochrome P450 11A1;CYP11A;Cholesterol side-chain cleavage enzyme, mitochondrial
Protein Construction:	40-521 aa
Species:	Human
Expression Host:	E. coli
Accession:	P05108
Molecular Weight:	103.9 kDa (Predicted)
AA Sequence:	ISTRSPRFNEIPSPGDNGWLNLYHFWRETGTHKVLHLLHVQNFQKYGPIYREKLGNVESVYVIDPEDVALLFK SEGNPERFLIPPWVAYHQYYQRPIGVLLKKSAAWKKDRVALNQEVMAPKATKNFLPLLDVSRDFVSVLHR RIKKAGSGNYSGLDSDLFRFAFESITNVIFGERQGMLEEVNPEAQRFDIAIYQMFHTSVPMNLNPPDLFRLFR TKTWKDHVAAWDVIFSKADIYTQNFYWELRQKGSVHHDYRGILYRLLGDSKMSFEDIKANVTEMLAGGVDTT SMTLQWHLIYEMARNLKVQDMLRAEVLAAARHQAQGD MATMLQLVPLLKASIKETLRLHPISVTLQRYLVNDL VLRDYMIPAKTLVQVAIYALGREPTFFFDPENFDPTRWLSKDKNITYFRNLGFGWGVRQCLGRRIAELEMTIFLI NMLENFRVEIQHLSVDVGTTFNLILMPEKPISTFWPFNQEATQQ

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	Not tested.
Formulation:	Lyophilized from PBS, 6% Trehalose, pH 7.4

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 319 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481