

Recombinant Full Length Human CYP3A7 Protein, GST-tagged

Cat. No. CYP3A7-2439HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYP3A7 full-length ORF (NP_000756.1, 1 a.a. - 503 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	503 amino acids
Description	This gene encodes a member of the cytochrome P450 superfamily of enzymes, which participate in drug metabolism and the synthesis of cholesterol, steroids and other lipids. This enzyme hydroxylates testosterone and dehydroepiandrosterone 3-sulphate, which is involved in the formation of estriol during pregnancy. This gene is part of a cluster of related genes on chromosome 7q21.1. Naturally-occurring readthrough transcription occurs between this gene and the downstream CYP3A51P pseudogene and is represented by GenelD:100861540. [provided by RefSeq, Jan 2015]
Molecular Mass	83.9 kDa
AA Sequence	MDLIPNLAVETWLLAVSLILLYLYGTRTHGLFKKLGIPGPTPLPFLGNALSFRKGYWT FDMECYKKYRKVWGIYDCQQPMLAITDPDMIKTVLVKECYSVFTNRRPFGPVGFMK NAISIAEDEEWKRIRSLLSPTFTSGKLKEMVPIIAQYGDVLVRNLRREAETGKPVTLKH VFGAYSMDVITSTSFGVSLNNPQDPFVENTKKLLRFNPLDPFVLSIKVFPFLTPIL EALNITVFPRKVISFLTQSVKQIKEGRLKETQKHRVDFLQLMIDSQNSKDSETHKALS

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DLELMAQSIIFIFAGYETTSSVLSFIIYELATHPDVQQKVQKEIDTVLPNKAPPTYDTVL
QLEYLDMVVNETLRLFPVAMRLERVCKKDVEINGMFIPKGVVVMIPSYVLHHDPKYW
TEPEKFLPERFSKKNKDNIDPYIYTPFGSGPRNCIGMRFALVNMKLALVRVLQNFSFK
PCKETQIPLKLRFGGLLLEKPIVLKAESRDETVSGA

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name CYP3A7 cytochrome P450, family 3, subfamily A, polypeptide 7 [Homo sapiens]

Official Symbol CYP3A7

Synonyms CYP3A7; cytochrome P450, family 3, subfamily A, polypeptide 7; cytochrome P450, subfamily IIIA, polypeptide 7; cytochrome P450 3A7; CP37; P450 HFLA; cytochrome P450-HFLA; microsomal monooxygenase; xenobiotic monooxygenase; aryl hydrocarbon hydroxylase; flavoprotein-linked monooxygenase; CYP11A7; P450-HFLA;

Gene ID 1551

mRNA Refseq NM_000765

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Protein Refseq	NP_000756
MIM	605340
UniProt ID	P24462

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