

# Recombinant Full Length Human CYP3A7 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human CYP3A7 full-length ORF ( NP_000756.1, 1 a.a. - 503 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	503 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	83.9 kDa
<b>AA Sequence</b>	MDLIPNLAVETWLLLAVSLILLYLYGTRTHGLFKKLGIPGPTPLPFLGNALSFRKGYWT FDMECYKKYRKVWGIYDCQQPMLAITDPDMIKTVLVKECYSVFTNRRPFGPVGFMK NAISIAEDEEWKRIRSLLSPTFTSGKLEKEMVPIIAQYGDVLRNLRREAETGKPVTLKH VFGAYSMDVITSTSGVVSIDSLNNPQDPFVENTKKLLRFNPLDPFVLSIKVFPFLTPIL EALNITVFPRKVISFLTQSVKQIKEGRLKETQKHRVDFLQLMIDSQNSKDSETHKALS

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DLELMAQSIIFIFAGYETTSSVLSFIIYELATHPDVQQKVQKEIDTVLPNKAPPTYDTVL  
 QLEYLDMVVNETLRLFPVAMRLERVCKKDVEINGMFIPKGVVVMIPSYVLHHDPKYW  
 TEPEKFLPERFSKKNKDNIDPYIYTPFGSGPRNCIGMRFALVNMKLALVRVLQNFSEK  
 PCKETQIPLKLRFGGLLLEKPIVLKAESRDETVSGA

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	CYP3A7 cytochrome P450, family 3, subfamily A, polypeptide 7 [ Homo sapiens ]
<b>Official Symbol</b>	CYP3A7
<b>Synonyms</b>	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; CYP3A7; P450-HFLA;
<b>Gene ID</b>	1551
<b>mRNA Refseq</b>	NM_000765

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**Protein Refseq** [NP\\_000756](#)

**MIM** [605340](#)

**UniProt ID** [P24462](#)

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