

Recombinant Human CYP3A7 cell lysate

Cat. No. CYP3A7-438HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Description	This gene, CYP3A7, encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and 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. The enzyme also metabolizes some drugs such as aflatoxin B1. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Transcript variants have been described, but it is not known whether these transcripts are normally produced.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

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,

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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](#)

Protein Refseq [NP_000756](#)

MIM [605340](#)

UniProt ID [P24462](#)

Chromosome Location 7q21-q22.1

Pathway Biological oxidations, organism-specific biosystem; Cytochrome P450 - arranged by substrate type, organism-specific biosystem; Drug metabolism - cytochrome P450, organism-specific biosystem; Drug metabolism - cytochrome P450, conserved biosystem; Drug metabolism - other enzymes, organism-specific biosystem; Drug metabolism - other enzymes, conserved biosystem; Linoleic acid metabolism, organism-specific biosystem;

Function aromatase activity; electron carrier activity; heme binding; metal ion binding; monooxygenase activity; oxygen binding;

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