

Recombinant Full Length Human CYP39A1 Protein, GST-tagged

Cat. No. CYP39A1-2398HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYP39A1 full-length ORF (AAH10358, 1 a.a. - 469 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	469 amino acids
Description	This gene 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 endoplasmic reticulum protein is involved in the conversion of cholesterol to bile acids. Its substrates include the oxysterols 25-hydroxycholesterol, 27-hydroxycholesterol and 24-hydroxycholesterol. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]
Molecular Mass	77.33 kDa
AA Sequence	MELISPTVIIIIGCLALFLLLQPKNLRRPPCIKGWIPWIGVGFEFGKAPLEFIEKARIKYG PIFTVFAMGNRMTFVTEEEGINVFLKSKKVDFELAVQNIVYRTASIPKNVFLALHEKLY IMLKGMGTVNLHQFTGQLTEELHEQLENLGTHGTMDLNNLVRHLLYPVTVNMLFN KSLFSTNKKKIKEFHQYFQVYDEDFEYGSQ LPECLLRNWSKSKKWFLFELFEKNIPDIK ACKSAKDNSMTLLQATLDIVETETSKENSPNYGLLLLWASLSNAVPVAFWTLAHVLS

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HPDIHKAIMEGISSVFGKAGKDKIKVSEDDLENLLLIKWCVLETIRLKAPGVITRKVVKP
VEILNYIIPSGDLLMLSPFWLHRNPKYFPEPELKFPERWKKANLEKHSFLDCFMAFGS
GKFQCPARWFALLEVQMCILILYKYDCSLDPLPKQSYLHLVGVPQPEGQCRIEYKQ
RI

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 CYP39A1 cytochrome P450, family 39, subfamily A, polypeptide 1 [Homo sapiens]

Official Symbol CYP39A1

Synonyms CYP39A1; cytochrome P450, family 39, subfamily A, polypeptide 1; cytochrome P450, subfamily XXXIX (oxysterol 7 alpha hydroxylase), polypeptide 1; 24-hydroxycholesterol 7-alpha-hydroxylase; hCYP39A1; cytochrome P450 39A1; oxysterol 7alpha-hydroxylase; oxysterol 7-alpha-hydroxylase; cytochrome P450, subfamily XXXIX (oxysterol 7 alpha-hydroxylase), polypeptide 1;

Gene ID 51302

mRNA Refseq NM_016593

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Protein Refseq	NP_057677
MIM	605994
UniProt ID	Q9NYL5

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