

Recombinant Human CYP39A1 Protein, GST-tagged

Cat. No. CYP39A1-2272H **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	Wheat Germ
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	MELISPTVIII LGCLALFLLLQPKNLRRPPCIKGWIPWIGVGFEFGKAPLEFIEKARIKYG PIFTVFAMGNRMTFVTEEEGINVFLKSKKVDFELAVQNIVYRTASIPKNVFLALHEKLY IMLKGKMGTVNLHQFTGQLTEELHEQLENLGTHGTMDLNNLVRHLLYPVTVNMLFN KSLFSTNKKKIKEFHQYFQVYDEDFEYGSQ LPECLLRNWSKSKKWFLELFEKNIPDIK ACKSAKDNSMTLLQATLDIVETETSKENSPNYGLLLLWASLSNAVPVAFWTLAHVLS HPDIHKAIMEGISSVFGKAGKD KIKVSEDDLENLLLIKWCVLETIRLKAPGVITRKVVKP VEILNYIIPSGDLLMLSPFWLHRNPKYFPEPELFKPERWKKANLEKHSFLDCFMAFGS

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	GKFQCPARWFALLEVQMCIIILILYKYDCSLDPLPKQSYLHLVGVPQPEGQCRIEYKQRI
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
Protein Refseq	NP_057677

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MIM	605994
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UniProt ID	Q9NYL5
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