

Recombinant Human CYP4X1 Protein, GST-tagged

Cat. No. CYP4X1-2288H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYP4X1 full-length ORF (AAH28102, 1 a.a. - 509 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 and is located within a cluster of genes belonging to this superfamily on chromosome 1. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. The expression pattern of a similar rat protein suggests that this protein may be involved in neurovascular function in the brain. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]
Molecular Mass	81.51 kDa
AA Sequence	MEFSWLETRWARPFYLA FVFCLALG LLQA IKLYLRRQ RLLRDLRPFPAPPTHWFLGH QKFIQDDNMEKLEEIIEKYPRAFPFWIGPFQAFFCIYDPDYAKTLLSRTDPKSQYLQK FSPPLLKGKGLAALDGPKW FQHRRLLTPGFHFN ILKAYIEVMAHSVKMMLDKWEKICS TQDTSVEVYEHINSMSLDIIMKCAFSKETNCQTNSTHDPYAKAIFELSKIIFHRLYSLLY HSDIIFKLSPQGYRFQKLSRVLNQYTD TIIQERKKSLQAGVKQDNTPKRKYQDFLDIV LSAKDESGSSFSDIDVHSEVSTFLLAGHDTLAASISWILYCLALNPEHQERCREEVRG ILGDGSSITWDQLGEMSYTTMCIKETCRLIPAVPSISRDL SKPLTFPDGCTLPAGITVV

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LSIWGLHHNPAVWKNPKVFDPLRFSQENSQDRHPYAYLPFSAGSRNCIGQEFAMIE
LKVTIALILLHFRVTPDPTPLTFPNHFILKPKNGMYLHLKKLSEC

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

CYP4X1 cytochrome P450, family 4, subfamily X, polypeptide 1 [Homo sapiens]

Official Symbol

CYP4X1

Synonyms

CYP4X1; cytochrome P450, family 4, subfamily X, polypeptide 1; cytochrome P450 4X1; MGC40051; CYP4X1;

Gene ID

260293

mRNA Refseq

NM_178033

Protein Refseq

NP_828847

MIM

614999

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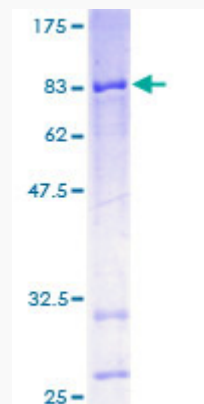
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UniProt ID

Q8N118

Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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