

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	<p>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]</p>
Molecular Mass	81.51 kDa
AA Sequence	<pre>MEFSWLETRWARPFYLA FVFCLALG LLQAIKLYLRRQ RLLRDLRPF PAPP THWFLGH QKFIQDDNMEKLEE IIEKYPRAFP FWIGPFQAFF CIYDPDYAK TLLSRTDP KSQYLQK FSPPLL GKGLAALD GPKWFQHR RLLTPGFH FNILKAYIE VMASHVKM MLDKWEK IC TQDTSVEVYEHINS MSLDIIMKCAF SKETNCQT NSTHDPYAKA IFELSKIIF HRLYSLLY HSDIIFKLSPQGYRF QKLSRVLNQY TDTIIQERK KSLQAGVKQD NTPKRKYQD FLDIV LSAKDESGSSFSDI DVHSEVSTF LLAGHDTLA ASISWILY CLALNPEHQERC REEVRG ILGDGSSITWDQLG EMSYTTMC IKETCRLIP AVPSISRDL SKPLTFPDGCTLPAGITV</pre>

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LSIWGLHHNPAVWKNPKVFDPLRFSQENSQRHPYAYLPFSAGSRNCIGQEFAMIE
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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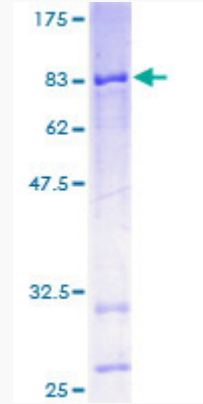
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UniProt ID

Q8N118

Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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