

Recombinant Human CYP4X1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CYP4X1-3110H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CYP4X1 MS Standard C13 and N15-labeled recombinant protein (NP_828847) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	58.9 kDa
AA Sequence	MEFSWLETRWARPFYLAFFVCLALGLLQAIKLYLRRQRLRLRPFAPPTHWFLGH QKFIQDDNMEKLEEIIEKYPRAFPFWIGPFQAFFCIYDPDYAKTLLSRTDPKSQYLQK FSPPLLKGKLAALDGPWFQHRRLTPGFHFNLKAYIEVMAHSVKMMLDKWEKICS TQDTSVEVYEHINSMSLDIIMKCAFSKETNCQTNSTHDPYAKAIFELSKIIFHRLYSLY HSDIIFKLSPQGYRFQKLSRVLNQYTDTHQERKKSLQAGVKQDNTPKRKYQDFLDIV LSAKDESGSSFSDIDVHSEVSTFLLAGHDTLAASISWILYCLALNPEHQERCREEVRG

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ILGDGSSITWDQLGEMSYTTMCIKETCRLIPAVPSISRDLKPLTFPDGCTLPAGITVV
LSIWGLHHNPAVWKNPKVFDPLRFSQENSQDRHPYAYLPFSAGSRNCIGQEFAMIE
LKVTIALILLHFRVTPDPTRPLTFPNHFILKPKNGMYLHLKKLSECTRTRPLEQKLISEE
DLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CYP4X1 cytochrome P450 family 4 subfamily X member 1 [Homo sapiens (human)]

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

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MIM 614999

UniProt ID Q8N118

SDS-PAGE



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