

Product datasheet for **TP307030M**

CYP4X1 (NM_178033) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human cytochrome P450, family 4, subfamily X, polypeptide 1 (CYP4X1), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC207030 protein sequence
Red=Cloning site **Green**=Tags(s)

MEFSWLETRWARPFYLAFFVCLALGLLQAIKLYLRRQRLLRDLRPFPPAPPTHWFLGHQKFIQDDNMEKLE
EIEKYPRAPFFWIGPFQAFFCIYDPDYAKTLLSRTDPKSQYLQKFSPLLKGLAALDGPKWQHRLL
TPGFHFNILKAYIEVMAHSVMMMLDKWEKICSTQDTSVEVYEHINSMSLDIIMKCAFSKETNCQTNSTHD
PYAKAIFELSKIIHRLYSLLYHSDIIFKLSPQGGRFQKLSRVLNQYTDITIIQERKKSQAGVKQDNTPK
RKYQDFLDIVLSAKDESGSSFSIDIVHSEVSTFLLAGHDTLAASISWILYCLALNPEHQERCREEVRGIL
GDGSSITWDQLGEMSYTTMCIKETCRLIPAVPSISRDLKPLTFPDGCTLPAGITVWLSIWGLHHNPAVW
KNPKVFDPLRFSQENSQDRHPYAYLPFSAGSRNCIGQEFAMIELKVITIALILLHFRVTPDPTRPLTFPNH
FILPKPNGMYLHLKLLSEC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 58.7 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

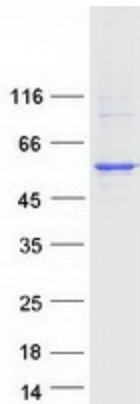
Storage: Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_828847
Locus ID:	260293
UniProt ID:	Q8N118
RefSeq Size:	2382
Cytogenetics:	1
RefSeq ORF:	1527
Synonyms:	CYP1VX1
Summary:	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]
Protein Families:	Druggable Genome, P450, Transmembrane

Product images:



Coomassie blue staining of purified CYP4X1 protein (Cat# [TP307030]). The protein was produced from HEK293T cells transfected with CYP4X1 cDNA clone (Cat# [RC207030]) using MegaTran 2.0 (Cat# [TT210002]).