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Product datasheet for TP515201

Cyp4x1 (NM_001003947) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cytochrome P450, family 4, subfamily x, polypeptide 1 (Cyp4x1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR215201 representing NM_001003947 Red=Cloning site Green=Tags(s) MEASWLETRWARPLHLALVFCLALVLMQAMKLYLRRQRLLRDLSPFPGPPAHWLLGHQKFLQEDNMETLD EIVKKHPCAFPCWVGPFQAFFYIYDPDYAKIFLSRTDPKMQYLHQLLTPCIGRGLLNLDGPRWFQHRCLL TPAFHQDILKPCVDTMAHSVKVMLDKWEKMWTTQETTIEVFEHINLMTLDIIMKCAFGQETNCQINGTYE SYVKATFELGEIISSRLYNFWHHHDIIFKLSPKGHCFQELGKVIHQYTEKIIQDRKKILKNQVKQDDTQT SQIFLDIVLSAQAEDERAFSDADLRAEVNTFMWAGHDASAASISWLLYCLALNPEHQDRCRTEIRSILGD GSSITWEQLDEMSYTTMCIKETLRLIPPVPSISRELSKPLTLPDGHSLPAGMTVVLSIWGLHHNPAVWND PKVFDPLRFTKENSDQRHPCAFLPFSSGPRNCIGQQFAMLELKVAIALILLHFQVAPDLTRPPAFSSHTV LRPKHGIYLHLKKLLEC TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	59 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
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 after receiving vials.
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_001003947

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Locus ID:	81906
UniProt ID:	Q6A152
RefSeq Size:	1524
Cytogenetics:	4 D1
RefSeq ORF:	1521
Synonyms:	A230025G20; Cyp4a28-ps; CYPIVX1; CYP_a
Summary:	A cytochrome P450 monooxygenase that selectively catalyzes the epoxidation of the last double bond of the arachidonoyl moiety of anandamide, potentially modulating endocannabinoid signaling. Has no hydroxylase activity toward various fatty acids, steroids and prostaglandins. Mechanistically, uses molecular oxygen inserting one oxygen atom into a substrate, and reducing the second into a water molecule, with two electrons provided by NADPH via cytochrome P450 reductase (CPR; NADPH-ferrihemoprotein reductase).[UniProtKB/Swiss-Prot Function]