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Product datasheet for PH307417

Cytochrome p450 2J2 (CYP2J2) (NM_000775) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CYP2J2 MS Standard C13 and N15-labeled recombinant protein (NP_000766)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207417
Predicted MW:	57.6 kDa
Protein Sequence:	>RC207417 protein sequence Red=Cloning site Green=Tags(s) MLAAMGSLAAALWAVVHPRTLLLGTVAFLLAADFLKRRRPKNYPPGPWRLPFLGNFFLVDFEQSHLEVQL FVKKYGNLFSLELGDISAVLITGLPLIKEALIHMDQNFGNRPVTPMREHIFKKNGLIMSSGQAWKEQRRF TLTALRNFGLGKKSLEERIQEEAQHLTEAIKEENGQPFDPHFKINNAVSNIICSITFGERFEYQDSWFQQ LLKLLDEVTYLEASKTCQLYNVFPWIMKFLPGPHQTLFSNWKKLKLFVSHMIDKHRKDWNPAETRDFIDA YLKEMSKHTGNPTSSFHEENLICSTLDLFFAGTETTSTTLRWALLYMALYPEIQEKVQAEIDRVIGQGQQ PSTAARESMPYTNAVIHEVQRMGNIIPLNVPREVTVDTTLAGYHLPKGTMILTNLTALHRDPTEWATPDT FNPDHFLENGQFKKREAFMPFSIGKRACLGEQLARTELFIFFTSLMQKFTFRPPNNEKLSLKFRMGITIS PVSHRLCAVPQV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000766
RefSeq Size:	1876
RefSeq ORF:	1506

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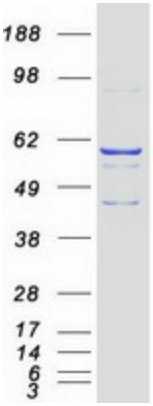
Synonyms:	CPJ2; CYPIIJ2
Locus ID:	1573
UniProt ID:	P51589
Cytogenetics:	1p32.1
Summary:	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and is thought to be the predominant enzyme responsible for epoxidation of endogenous arachidonic acid in cardiac tissue. Multiple transcript variants have been found for this gene. [provided by RefSeq, Jan 2016]
Protein Families:	Druggable Genome, P450, Transmembrane
Protein Pathways:	Arachidonic acid metabolism, Linoleic acid metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified CYP2J2 protein (Cat# [TP307417]). The protein was produced from HEK293T cells transfected with CYP2J2 cDNA clone (Cat# [RC207417]) using MegaTran 2.0 (Cat# [TT210002]).