

Product datasheet for TP307417L

Cytochrome p450 2J2 (CYP2J2) (NM_000775) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human cytochrome P450, family 2, subfamily J, polypeptide 2 (CYP2J2), 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC207417 protein sequence
Red=Cloning site **Green**=Tags(s)

MLAAMGSLAAALWAVVHPRTLGLTVAFLAADFLKRRRPKNYPGPWRLPFLGNFFLVDFEQSHLEVQL
FVKKYGNLFSLELGDISAVLITGLPLIKEALIHMDQNFGRNPVTPMREHIFKKNGLIMSSGQAWKEQRRF
TLTALRNFLGLGKKSLEERIQEEAQHLTEAIKEENGQPFDPHFKINNAVSNIIISITFGERFEYQDSWFQQ
LLKLLDEVTYLEASKTCQLYNVFPWIMKFLPGPHQTLFSNWKKLKFVSHMIDKHKRDWNPATRDIFIDA
YLKEMSKHTGNPTSSFHEENLICSTLDLFFAGTETTSTTLRWALLYMALYPEIQEKVQAEIDRVIGQGQQ
PSTAARESMPYTNNAVIHEVQRMGNIIPLNVPREVTVDTTLAGYHLPKGTMLTNTALHRDPTIEWATPDT
FNPDFHLENGQFKKREAFMPFSIGKRACLGEQLARTELFIFFTSLMQKFTFRPPNNEKLSLKFRMGITIS
PVSHRLCAVPQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 57.4 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_000766](#)

Locus ID: 1573

UniProt ID: [P51589](#)

RefSeq Size: 1876

Cytogenetics: 1p32.1

RefSeq ORF: 1506

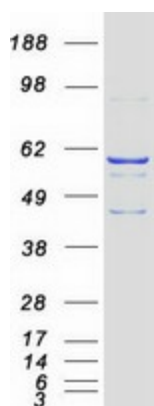
Synonyms: CPJ2; CYP11J2

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]).