

Product datasheet for **TP306423**

CYP4F12 (NM_023944) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cytochrome P450, family 4, subfamily F, polypeptide 12 (CYP4F12), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206423 protein sequence Red =Cloning site Green =Tags(s)

MSLLSLPWLGLRPVAMSPWLLLLLVGSWLLARILAWTYAFYNNCRRLQCFPQPPKRNWFWGHLGLITPT
EEGLKDSTQMSATYSQGFTVWLGPIIPFIVLCHPDTIRSITNASAAIAPKDNLFIRFLKPWLGEILLG
GDKWSRHRMLTPAFHFNILKSYITIFNKSANIMLDKWQHLASEGSSCLDMFEHISLMTLDSLQKCFISF
DSHCQERPSEYIATILELSALVEKRSQHILQHMDFLYYLSHDGRRFHRACRLVHDFDFAVIRERRRRLPT
QGIDDFKDKAKSKTLDFIDVLLLSKDEDGKALSDEDIRAEADTFMFGGHDTTASGLSWVLYNLARHPEY
QERCQEVQELLKDRDPKEIEWDDLAQLPFLTMCVKESLRLHPPAPFISRCCTQDIVLPDGRVIPKGITC
LIDIIGVHHNPTVWPDPEVYDPFRFDPENSKGRSPLAFIPFSAGPRNCIGQAFAMAEMKVVLALMLLHFR
FLPDHTEPRRKLELIMRAEGLWLRVEPLNVSLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

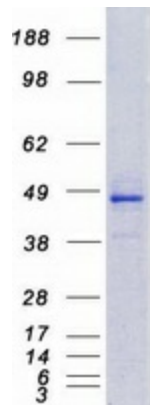
Tag:	C-Myc/DDK
Predicted MW:	60.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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_076433
Locus ID:	66002
UniProt ID:	Q9HCS2
RefSeq Size:	1783
Cytogenetics:	19p13.12
RefSeq ORF:	1572
Synonyms:	CYP1VF12; F22329_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 likely localizes to the endoplasmic reticulum. When expressed in yeast the enzyme is capable of oxidizing arachidonic acid. It can also catalyze the epoxidation of 22:6n-3 and 22:5n-3 polyunsaturated long-chain fatty acids. This gene is part of a cluster of cytochrome P450 genes on chromosome 19. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]
Protein Families:	Druggable Genome, P450, Transmembrane

Product images:



Coomassie blue staining of purified CYP4F12 protein (Cat# TP306423). The protein was produced from HEK293T cells transfected with CYP4F12 cDNA clone (Cat# [RC206423]) using MegaTran 2.0 (Cat# [TT210002]).