

## Product datasheet for **TP306423L**

### **CYP4F12 (NM\_023944) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human cytochrome P450, family 4, subfamily F, polypeptide 12 (CYP4F12), 1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC206423 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSLLSLPWLGLRPVAMSPWLLLLLVGSWLLARILAWTYAFYNNCRRLQCFPQPPKRNWFWGHLGLITPT  
EEGLKDSTQMSATYSQGFTVWLGPIIPFIVLCHPDTIRSITNASAAIAPKDNLFIRFLKPWLGEILLG  
GDKWSRHRMLTPAFHFNILKSYITIFNKSANIMLDKWQHLASEGSSCLDMFEHISLMTLDSLQKCFISF  
DSHCQERPSEYIATILELSALVEKRSQHILQHMDFLYYLSHDGRRFHRACRLVHDFDFAVIRERRRRLPT  
QGIDDFKDKAKSKTLDFIDVLLLSKDEDGKALSDEDIRAEADTFMFGGHDTTASGLSWVLYNLARHPEY  
QERCQEVQELLKDRDPKEIEWDDLAQLPFLTMCVKESLRLHPPAPFISRCCTQDIVLPDGRVIPKGITC  
LIDIIGVHHNPTVWPDPEVYDPFRFDPENSKGRSPLAFIPFSAGPRNCIGQAFAMAEMKVVLALMLLHFR  
FLPDHTEPRRKLELIMRAEGLWLRVEPLNVSLQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

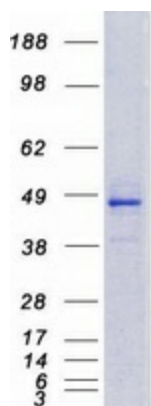
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	60.1 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_076433</a>
<b>Locus ID:</b>	66002
<b>UniProt ID:</b>	<a href="#">Q9HCS2</a>
<b>RefSeq Size:</b>	1783
<b>Cytogenetics:</b>	19p13.12
<b>RefSeq ORF:</b>	1572
<b>Synonyms:</b>	CYP1VF12; F22329_1
<b>Summary:</b>	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]
<b>Protein Families:</b>	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]).