

Recombinant Full Length Human CYP4F12 Protein, GST-tagged

Cat. No. CYP4F12-2443HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYP4F12 full-length ORF (AAH35350, 1 a.a. - 524 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	524 amino acids
Description	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]
Molecular Mass	83.38 kDa
AA Sequence	MSLLSLPWLGLRPVAMSPWLLLLLVGSWLLARILAWTYAFYNNCRRLQCFPPPK RNWFWGHLGLITPTEGLKDSTQMSATYSQGFTVWLGPPIPLIVLCHPDTIRSITNAS AAIAPKDNLFIRFLKPWLGEIGILLSGGDKWSRHRRLTPAFHFNILKSYITIFNKSANI MLDKWQHLLASEGSSCLDMFEHISLMTLDSLQKCIFSFDSHCQERPSEYIATILELSAL

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VEKRSQHILQHMDFLYYLSHDGRRFHRACRLVHDFTDAVIRERRRTLPTQGIDFFK
DKAKSKTLDFIDVLLLSKDEEDGKALSDEDIRAEADTFMFGGHDTTASGLSWVLYNLA
RHPEYQERCRQEYQELLKDRDPKEIEWDDLAQLPFLTMCVKESLRLHPPAPFISRC
CTQDIVLPDGRVIPKGITCLIDIIGVHHNPTVWPDPEVYDPFRFDPENSKGRSPLAFIP
FSAGPRNCIGQAFAMAEMKVVLALMLLHFRFLPDHTEPRRKLELIMRAEGGLWLRV
EPLNVSLQ

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CYP4F12 cytochrome P450, family 4, subfamily F, polypeptide 12 [Homo sapiens]

Official Symbol

CYP4F12

Synonyms

CYP4F12; cytochrome P450, family 4, subfamily F, polypeptide 12; cytochrome P450, subfamily IVF, polypeptide 12; cytochrome P450 4F12; CYP4F12; F22329_1;

Gene ID

66002

mRNA Refseq

NM_023944

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Protein Refseq	NP_076433
MIM	611485
UniProt ID	Q9HCS2

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