

Recombinant Full Length Human CYP4F11 Protein, Flag tagged

Cat. No. CYP4F11-09HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human cytochrome P450, family 4, subfamily F, polypeptide 11 (CYP4F11), transcript variant 1 with Flag tag was expressed in HEK293T.
Species	Human
Source	HEK293T
ProteinLength	1-524 aa
Description	This gene, CYP4F11, 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 gene is part of a cluster of cytochrome P450 genes on chromosome 19. Another member of this family, CYP4F2, is approximately 16 kb away. Alternatively spliced transcript variants encoding the same protein have been found for this gene.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Molecular Mass	60 kDa
AASequence	MPQLSLSWLGLGPVAASPWLLLLLVGGSWLLARVLAWTYTFYDNCRRLLQCFPQPP KQNWFWGHQGLVTPTEEGMKTTLTQLVTTYPQGFKLWLGPTFPLILCHPDIIIRPITSA SAAVAPKDMIFYGFLKPWLGDGLLLSGGDKWSRHRRLTPAFHFNILKPYPMKIFNKS VNIMHDKWQRLASEGSARLDMFEHISLMTLDSLQKCVFSFESNCQEKPSEYIAAILEL

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SAFVEKRNQQILLHTDFLYYLTDPGQRFRRACHLVHDFDTDAVIQERRRTLPTQGIDD
 FLKNKAKSKTLDIFIDVLLLSKDEDEGKELSDIEDIRAEADTFMFEGHDTTASGLSWVLYH
 LAKHPEYQEQRQEVQELLKDREPIEIEWDDLAQLPFLTMCIKESLRLHPPVPVISRC
 CTQDFVLDPGRVIPKGIVCLINIIGIHYNPTVWPDPEVYDPFRFNQENIKERSPLAFIPF
 SAGPRNCIGQAFAMAEMKVVLALTLLHFRILPTHTEPRRKPELILRAEGGLWLRVEPL
 GANSQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Notes 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 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Concentration > 0.05 µg/µL as determined by microplate BCA method

GENE INFORMATION

Gene Name CYP4F11 cytochrome P450 family 4 subfamily F member 11 [Homo sapiens (human)]

Official Symbol CYP4F11

Synonyms CYP4F11; cytochrome P450 family 4 subfamily F member 11; CYP1VF11; cytochrome P450 4F11; 3-hydroxy fatty acids omega-hydroxylase CYP4F11; cytochrome P450, family 4, subfamily F, polypeptide 11; cytochrome P450, subfamily IVF, polypeptide 11; docosahexaenoic acid omega-hydroxylase; long-chain fatty acid omega-monooxygenase; phylloquinone omega-hydroxylase CYP4F11; EC 1.14.14.1; EC 1.14.14.78; EC 1.14.14.79; EC 1.14.14.80

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Gene ID	57834
mRNA Refseq	NM_021187
Protein Refseq	NP_067010
MIM	611517
UniProt ID	Q9HBI6

SDS-PAGE and WB

116 —
66 —
45 —
35 —
25 —
18 —
14 —

