

## Recombinant Full Length Human CYP4F11 Protein, Flag tagged

**Cat. No.** CYP4F11-10HFL    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant protein of human cytochrome P450, family 4, subfamily F, polypeptide 11 (CYP4F11), transcript variant 2 with Flag tag was expressed in HEK293T.                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 1-524 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | 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. |
| <b>Form</b>             | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 60 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AASequence</b>       | MPQLSLSWLGLGPVAASPWLLLLLVGGSWLLARVLAWTYTFYDNCRRLLQCFPQPP<br>KQNWFWGHQGLVTPTEEGMKTTLTQLVTTYTPQGFKLWLGPTFPLILCHPDIIIRPITSA<br>SAAVAPKDMIFYGFLKPWLGDGLLLSGGDKWSRHRRLTPAFHFNILKPYMKIFNKS<br>VNIMHDKWQRLASEGSARLDMFEHISLMTLDSLQKCVFSFESNCQEKPSEYIAAILEL                                                                                                                                                                                                                                                      |

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SAFVEKRNQQILLHTDFLYYLTDPGQRFRRACHLVHDFDTDAVIQERRRTLPTQGIDD  
 FLKNKAKSKTLDFIDVLLLSKDEDEGKELSDIEDIRAEADTFMFEGHDTTASGLSWVLYH  
 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; CYP4F11; 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_001128932 |
| Protein Refseq | NP_001122404 |
| MIM            | 611517       |
| UniProt ID     | Q9HBI6       |

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