# Recombinant Human Cytochrome P450 4F11 (CYP4F11), partial

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| **Product Code** | CSB-EP872539HU |
| **Relevance** | Omega-hydroxylase that oxidizes a variety of structurally unrelated compounds, including fatty acids and xenobiotics. Plays a key role in vitamin K catabolism by mediating omega-hydroxylation of vitamin K1 (phylloquinone), and menaquinone-4 (MK-4), a form of vitamin K2. Hydroxylation of phylloquinone and MK-4 probably regulates blood coagulation . Catalyzes omega-hydroxylation of 3-hydroxy fatty acids, such as 3-hydroxypalmitate, 3-hydroxyoleate, 3-hydroxyarachidonate, and 3-hydroxystearate . Oxidizes drugs such as erythromycin, benzphetamine, ethylmorphine, chlorpromazine and imipramine . |
| **Storage** | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| **Uniprot No.** | Q9HBI6 |
| **Alias** | 3-hydroxy fatty acids omega-hydroxylase CYP4F11Curated (EC:1.14.13.-Curated)Cytochrome P450 4F11 ;CYPIVF11 |
| **Product Type** | Recombinant Protein |
| **Immunogen Species** | Homo sapiens (Human) |
| **Purity** | Greater than 90% as determined by SDS-PAGE. |
| **Sequence** | TYTFYDNCRRLQCFPQPPKQNWFWGHQGLVTPTEEGMKTLTQLVTTYPQGF KLWLGPTFPLLILCHPDIIRPITSASAAVAPKDMIFYGFLKPWLGDGLLLSGGDK WSRHRRMLTPAFHFNILKPYMKIFNKSVNIMHDKWQRLASEGSARLDMFEHIS LMTLDSLQKCVFSFESNCQEKPSEYIAAILELSAFVEKRNQQILLHTDFLYYLTP DGQRFRRACHLVHDFTDAVIQERRCTLPTQGIDDFLKNKAKSKTLDFIDVLLLS KDEDGKELSDEDIRAEADTFMFEGHDTTASGLSWVLYHLAKHPEYQEQCRQE VQELLKDREPIEIEWDDLAQLPFLTMCIKESLRLHPPVPVISRCCTQDFVLPDG RVIPKGIVCLINIIGIHYNPTVWPDPEVYDPFRFDQENIKERSPLAFIPFSAGPRN CIGQAFAMAEMKVVLALTLLHFRILPTHTEPRRKPELILRAEGGLWLRVEPLGA NSQ |
| **Lead Time** | Delivery time may differ from different purchasing way or location, please kindly consult your local distributors for specific delivery time. |
| **Research Area** | Cardiovascular |
| **Source** | E.coli |
| **Gene Names** | CYP4F11 |
| **Expression Region** | 38-524aa |
| **Notes** | Repeated freezing and thawing is not recommended. Store working aliquots at |

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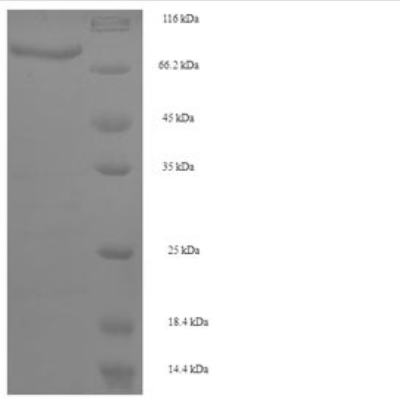
| | 4°C for up to one week. |
| **Tag Info** | N-terminal 6xHis-SUMO-tagged |
| **Mol. Weight** | 72.2kDa |
| **Protein Description** | Partial |
| **Image** |  (Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel. |
| **Reconstitution** | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |