



Recombinant Human Cytochrome P450 4F11 (CYP4F11), partial

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 (phyloquinone), and menaquinone-4 (MK-4), a form of vitamin K2. Hydroxylation of phyloquinone 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 .
Abbreviation	Recombinant Human CYP4F11 protein, partial
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 ;CYP4F11
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	TYTFYDNCRRLLQCFPPKQNWFWGHQGLVTPTEEGMKTLLTQLVTTYPQGF KLWLGPTFPLLILCHPDIIRPITSASAAVAPKDMIFYGFLKPWLGDGLLLSGGDK WSRHRMLTPAFHFNILKPYMKIFNKSVMHDKWQRLASEGSARLDMFEHIS LMTLDSLQKCVFSFESNCQEKPSEYIAAILELSAFVEKRNQQILLHTDFLYLTP DGQRFRRACHLVHDFDTDAVIQERRCTLPQTGIDDFLKNKAKSKTLDFIDVLLLS KDEDGKELSDDIRAEADTFMFEGHDTTASGLSWVLYHLAKHPEYQEQRQE VQELLKDREPIEIEWDDLAQLPFLTMCIKESLRLHPPVPVISRCCTQDFVLPDG RVIPKGIVCLINIIGIHYNPTVWPDPEVYDPFRFDQENIKERSPLAFIPFSAGPRN CIGQAFAMAEMKVVLALLHFRILPTHTEPRRKPELILRAEGGLWLRVEPLGA NSQ
Research Area	Cardiovascular
Source	E.coli
Target Names	CYP4F11
Expression Region	38-524aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

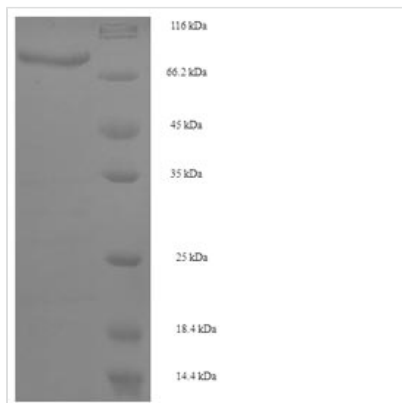


Tag Info N-terminal 6xHis-SUMO-tagged

Mol. Weight 72.2kDa

Protein Length 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.

Shelf Life

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