



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 .
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
Storage Buffer	Tris-based buffer,50% glycerol
Alias	3-hydroxy fatty acids omega-hydroxylase CYP4F11Curated (EC:1.14.13.- Curated)Cytochrome P450 4F11 ;CYP1VF11
Product Type	Recombinant Protein
Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	TYTFYDNCRRLLQCFPPPKQNWFWGHQGLVTPTEEGMKTLTQLVTTYPQGF KLWLGPTFPLLILCHPDIIIRPITSASAAVAPKDMIFYGFLKPWLGDGLLLSGGDK WSRHRRMLTPAFHFNLKPYMKIFNKSVMHDKWQRLASEGSARLDMFEHIS LMTLDSLQKCVFSFESNCQEKPSYIAAILELSAFVEKRNQQILLHTDFLYLTP DGQRFRRACHLVHDFDTDAVIQERRCTLPTQGIDDFLKNKAKSKTLDFIDVLLLS KDEDGKELSDDIRAEADTFMFEGHDTTASGLSWVLYHLAKHPEYQEQRQE VQELLKDREPIEIEWDDLAQLPFLTMCIKESLRLHPPVPVISRCCTQDFVLPDG RVIPKGIVCLINIIGIHYNPTVWPDPEVYDPFRFDQENIKERSPLAFIPFSAGPRN CIGQAFAMAEMKVVLALLHFRILPTHTEPRRKPELILRAEGGLWLRVEPLGA NSQ
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 4°C for up to one week.

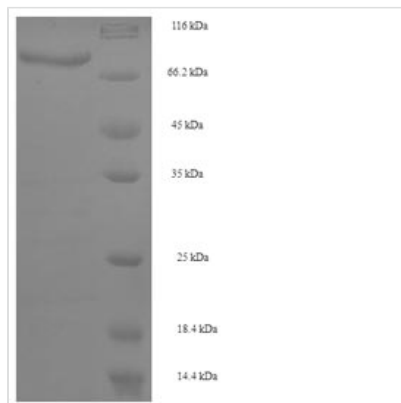


Tag Info N-terminal 6xHis-SUMO-tagged

Mol. Weight 72.2kDa

Protein Description Partial

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.