



Recombinant Human Cytochrome P450 4F22 (CYP4F22)

Product Code	CSB-EP740654HU
Abbreviation	CYP4F22
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.	Q6NT55
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MLPITDRLLH LLGLEKTAFR IYAVSTLLL LFFFLFRLLL RFLRLCRSFY ITCRRLRCFP QPPRRNWLLG HLGMYLPNEA GLQDEKKVLD NMHHVLLVWM GPVLP LLVLV HPDYIKPLLG ASAAIAPKDD LFYGF LKPWL GDGLLLSKGD KWSRHRLLT PAFHFDILKP YMKIFNQSAD IMHAKWRHLA EGSVSLDMF EHISLMTLDS LQKCVFSYNS NCQEKMSDYI SAIIELSALS VRRQYRLHHY LDFIYRSAD GRRFRQACDM VHHFTTEVIQ ERRRALRQQG AEAWLKAKQG KTLDFIDVLL LARDEDGKEL SDEDIRAEAD TFMFEGHDTT SSGISWMLFN LAKYPEYQEK CREEIQEVMK GRELEELEWD DLTQLPFTTM CIKESLRQYP PVTLVSRQCT EDIKLPDGRI IPKGIICLVS IYGTHHNPTV WPDSKVYNPY RFDPDNPQQR SPLAYVPFSA GPRNCIGQSF AMAELRVVVA LTLRLFRLSV DRTRKVRKPK ELILRTENGL WLKVEPLPPR A
Source	E.coli
Target Names	CYP4F22
Protein Names	Recommended name: Cytochrome P450 4F22 EC= 1.14.14.-
Expression Region	1-531
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This gene 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 and encodes an enzyme thought to play a role in the 12(R)-lipoxygenase pathway. Mutations in this gene are the cause of ichthyosis lamellar type 3.

**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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