Recombinant Human CYP4F22 Protein, GST-tagged

Cat. No. CYP4F22-2284H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYP4F22 full-length ORF (AAH69351.1, 1 a.a. - 531 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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. [provided by RefSeq, Jul 2008]
Molecular Mass	88.4 kDa
AA Sequence	MLPITDRLLHLLGLEKTAFRIYAVSTLLLFLLFFLFRLLLRFLRLCRSFYITCRRLRCFPQ PPRRNWLLGHLGMYLPNEAGLQDEKKVLDNMHHVLLVWMGPVLPLLVLVHPDYIKP LLGASAAIAPKDDLFYGFLKPWLGDGLLLSKGDKWSRHRRLLTPAFHFDILKPYMKIF NQSADIMHAKWRHLAEGSAVSLDMFEHISLMTLDSLQKCVFSYNSNCQEKMSDYIS AIIELSALSVRRQYRLHHYLDFIYYRSADGRRFRQACDMVHHFTTEVIQERRRALRQ QGAEAWLKAKQGKTLDFIDVLLLARDEDGKELSDEDIRAEADTFMFEGHDTTSSGIS WMLFNLAKYPEYQEKCREEIQEVMKGRELEELEWDDLTQLPFTTMCIKESLRQYPP

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	VTLVSRQCTEDIKLPDGRIIPKGIICLVSIYGTHHNPTVWPDSKVYNPYRFDPDNPQQ RSPLAYVPFSAGPRNCIGQSFAMAELRVVVALTLLRFRLSVDRTRKVRRKPELILRTE NGLWLKVEPLPPRA
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CYP4F22 cytochrome P450, family 4, subfamily F, polypeptide 22 [Homo sapiens]
Official Symbol	CYP4F22
Synonyms	CYP4F22; cytochrome P450, family 4, subfamily F, polypeptide 22; cytochrome P450 4F22; FLJ39501; cytochrome P450, family 2, subfamily E, polypeptide 2 homolog; LI3;
Gene ID	126410
mRNA Refseq	NM_173483
Protein Refseq	NP_775754

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MIM	611495
UniProt ID	Q6NT55

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