

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	MLPITDRLLHLLGLEKTAFRIVAVSTLLLFLFFLFRLLLRFLRLCRSFYITCRRLRCFPQ PPRRNWLLGHLGMYLPNEAGLQDEKKVLDNMHHVLLVWMGPVLPLLVLVHPDYIKP LLGASAAIAPKDDLFYGFLLKPWLGDGLLLSKGDKWSRHRRLTAPAFHFDILKPYMKIF NQSADIMHAKWRHLAEGSAVSLDMFEHISLMTLDSLQKCVFSYNSNCQEKMSDYIS AIIELSALSVRQYRLHHYLDFIYYRSADGRRFRQACDMVHHFTTEVIQERRRALRQ QGAEAWLKAKQGKTLDFIDVLLLARDEDGKELSDIEDIRAEADTFMFEGHDTTSSGIS WMLFNLAKYPEYQEKCREEIQEVMKGRELEEELEWDDLTQLPFTTMCIKESLRQYPP

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VTLVSRQCTEDIKLPDGRIPKGIICLVSIYGTHHNPTVWPDSKVYNPYRFDPDNPQQ
RSPLAYVPFSAGPRNCIGQSFAMAELRVVVALTLRFRLSVDRTKVRKPELILRTE
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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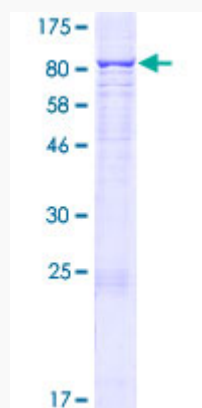
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MIM 611495

UniProt ID Q6NT55

Quality Control
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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