

Recombinant Human CYP4F22 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CYP4F22-5879H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CYP4F22 MS Standard C13 and N15-labeled recombinant protein (NP_775754) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	62 kDa
AA Sequence	MLPITDRLLHLLGLEKTAFRIVAVSTLLLFLFFLFRLLLRFLRLCRSFYITCRRLRCFPQ PPRRNWLLGHLGMYLPNEAGLQDEKKVLDNMHHVLLVWMGPVLP LLVLVHPDYIKP LLGASAAIAPKDDLFYGF LKPWLGDGLLLSKGDKWSRHRRLT PAFHFDILKPYMKIF NQSADIMHAKWRHLAEGSAVSLDMFEHISLMTLDSLQKCVFSYNSNCQEKMSDYIS AIIELSALS VRRQYRLHHYLDFIYYRSADGRRFRQACDMVHHFTTEVIQERRRALRQ QGAEAWLKAKQGKTLDFIDVLLLARDEDGKELSD EDIRAEADTFMFEGHDTTSSGIS WMLFNLAKYPEYQEKCREEIQEVMKGRELEEELEWDDLTQLPFTTMCIKESLRQYPP

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VTLVSRQCTEDIKLPDGRIPKGIICLVSIYGTHHNPTVWPDSKVYNPYRFDPDNPQQ
RSPLAYVPFSAGPRNCIGQSFAMAE LRVVVALTLLRFRLSVDRTRKVR RKPELILRTE
NGLWLKVEPLPPRATRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CYP4F22 cytochrome P450 family 4 subfamily F member 22 [Homo sapiens (human)]

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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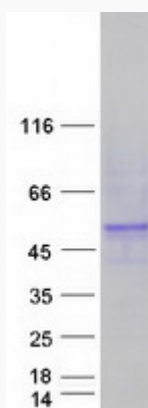
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MIM 611495

UniProt ID Q6NT55

SDS-PAGE



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