Recombinant Human CYP4F11 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CYP4F11-5080H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CYP4F11 MS Standard C13 and N15-labeled recombinant protein (NP_067010) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene, CYP4F11, 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. Another member of this family, CYP4F2, is approximately 16 kb away. Alternatively spliced transcript variants encoding the same protein have been found for this gene.
Molecular Mass	60.2 kDa
AA Sequence	MPQLSLSWLGLGPVAASPWLLLLLVGGSWLLARVLAWTYTFYDNCRRLQCFPQPP KQNWFWGHQGLVTPTEEGMKTLTQLVTTYPQGFKLWLGPTFPLLILCHPDIIRPITSA SAAVAPKDMIFYGFLKPWLGDGLLLSGGDKWSRHRRMLTPAFHFNILKPYMKIFNKS VNIMHDKWQRLASEGSARLDMFEHISLMTLDSLQKCVFSFESNCQEKPSEYIAAILEL SAFVEKRNQQILLHTDFLYYLTPDGQRFRRACHLVHDFTDAVIQERRRTLPTQGIDD FLKNKAKSKTLDFIDVLLLSKDEDGKELSDEDIRAEADTFMFEGHDTTASGLSWVLYH LAKHPEYQEQCRQEVQELLKDREPIEIEWDDLAQLPFLTMCIKESLRLHPPVPVISRC

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	CTQDFVLPDGRVIPKGIVCLINIIGIHYNPTVWPDPEVYDPFRFNQENIKERSPLAFIPF SAGPRNCIGQAFAMAEMKVVLALTLLHFRILPTHTEPRRKPELILRAEGGLWLRVEPL GANSQTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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	CYP4F11 cytochrome P450 family 4 subfamily F member 11 [Homo sapiens (human)]
Official Symbol	CYP4F11
Synonyms	CYP4F11; cytochrome P450, family 4, subfamily F, polypeptide 11; cytochrome P450, subfamily IVF, polypeptide 11; cytochrome P450 4F11; CYPIVF11;
Gene ID	57834
mRNA Refseq	NM_021187
Protein Refseq	NP_067010

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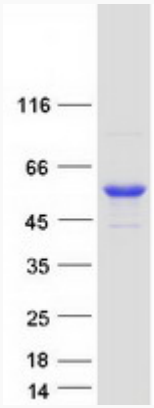
MIM	611517
UniProt ID	Q9HBI6
SDS-PAGE	

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