

## Product datasheet for PH310185

### CYP4F22 (NM\_173483) Human Mass Spec Standard

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Mass Spec Standards  |
| Description:                          | CYP4F22 MS Standard C13 and N15-labeled recombinant protein (NP_775754)  |
| Species:                              | Human  |
| Expression Host:                      | HEK293   |
| Expression cDNA Clone or AA Sequence: | RC210185   |
| Predicted MW:                         | 62 kDa   |
| Protein Sequence:                     | >RC210185 protein sequence<br><span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s) |

MLPITDRLLHLLGLEKTAfriYAVSTLLLFLFFLFRLLLRFLRLCRSFYITCRRLRCFPQPPRRNWLLG  
 HLGMYLPNEAGLQDEKKVLDNMHHVLLVWMPVLPPLLVLVHPDYIKPLLGASAAIAPKDDLFYGFLLKPWL  
 GDGLLLSKGDKWSRHRRLTPAFHFDILKPYMKIFNQSADIMHAKWRHLAEGSAVSLDMFEHISLMTLDS  
 LQKCVFSYNSNCQEKMSDYISAIIELSALSVRRQYRLHHYLDIFIYRSADGRRFRQACDMVHHFTTEVIQ  
 ERRRALRQQGAEAWLKAKQGKTLDIDVLLARDEDEGKELSDIEDIRAEADTFMFEGHDTTSSGISWMLFN  
 LAKYPEYQEKCEEIQEVMKGRELEEEWDDLTLQPFITMCIKESLRQYPPVTLVSRQCTEDIKLPDGRI  
 IPKGIICLVSIYGTHNPTVWPDskVYNPYRFDPNPQQRSPLAYVPFSAGPRNCIGQSFAMAELRVVVA  
 LTLLRFRLSVDTRKVRKPELILRTENGLWLKVEPLPPRA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                  |  |
|------------------|--|
| Tag:             | C-Myc/DDK  |
| Purity:          | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Concentration:   | >0.05 µg/µL as determined by microplate BCA method   |
| Labeling Method: | Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine |
| Buffer:          | 25 mM Tris-HCl, 100 mM glycine, pH 7.3   |
| Storage:         | Store at -80°C. Avoid repeated freeze-thaw cycles.   |
| Stability:       | Stable for 3 months from receipt of products under proper storage and handling conditions.   |
| RefSeq:          | <u>NP_775754</u>   |
| RefSeq Size:     | 2620   |
| RefSeq ORF:      | 1593   |


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**Synonyms:** ARCI5; INLNE; LI3

**Locus ID:** 126410

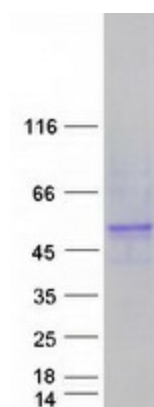
**UniProt ID:** [Q6NT55](#)

**Cytogenetics:** 19p13.12

**Summary:** 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]

**Protein Families:** Druggable Genome, Transmembrane

### Product images:



Coomassie blue staining of purified CYP4F22 protein (Cat# [TP310185]). The protein was produced from HEK293T cells transfected with CYP4F22 cDNA clone (Cat# [RC210185]) using MegaTran 2.0 (Cat# [TT210002]).