

Product datasheet for PH311671

CYP4B1 (NM_001099772) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CYP4B1 MS Standard C13 and N15-labeled recombinant protein (NP_001093242)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211671
Predicted MW:	59.1 kDa
Protein Sequence:	>RC211671 protein sequence Red=Cloning site Green=Tags(s)

MVPSFLSLSFSSLGLWASGLILVLGFLKLIHLLRRQTLAKAMDKFPGPPTHWLFGHALEIQETGSLDKV
VSWAHQFPYAHPLWFGQFIGFLNIYEPDYAKAVYSRGDPKAPDVYDFLQWIGRGLLVLEGPKWLQHRKL
LTPGFHYDVLKPYVAVFTISTRIMLDKWEKAREGKSFDIFCDVGHMALNTLMKCTFGRGDTGLGHSRDS
SYLAVSDLTLLMQQLVSFYHNDFIYWLTPHGRRFLRACQVAHDHTDQVIRERKAALQDEKVRKKIQN
RRHLDFLDILLGARDEDDIKLSDADLRAEVDTFMFEHDTTSGISWFLYCMALYPEHQHRCREEVREIL
GDQDFQWDDLKMTYL TMCIKESFRL YPPVPQVYRQLSKPVTVDGRSLPAGSLISMHIYALHRNSAVW
PDPEVFDLSLRFSTENASKRHPFAFMPFSAGPRNCIGQQFAMSEMKVVTAMCLLRFEFSLDPSRLPIKMPQ
LVLRSKNGFHLHLKPLGPGSGK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	NP_001093242
RefSeq Size:	2173
RefSeq ORF:	1536



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Synonyms: CYP1VB1; P-450HP

Locus ID: 1580

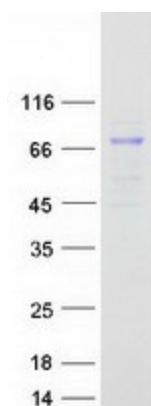
UniProt ID: [P13584](#)

Cytogenetics: 1p33

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 protein localizes to the endoplasmic reticulum. In rodents, the homologous protein has been shown to metabolize certain carcinogens; however, the specific function of the human protein has not been determined. Multiple transcript variants have been found for this gene. [provided by RefSeq, Jan 2016]

Protein Families: Druggable Genome, P450, Transmembrane

Product images:



Coomassie blue staining of purified CYP4B1 protein (Cat# [TP311671]). The protein was produced from HEK293T cells transfected with CYP4B1 cDNA clone (Cat# [RC211671]) using MegaTran 2.0 (Cat# [TT210002]).