

Recombinant Human CYP4B1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CYP4B1-6234H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CYP4B1 MS Standard C13 and N15-labeled recombinant protein (NP_001093242) 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 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.
Molecular Mass	59.1 kDa
AA Sequence	MVPSFLSLSFSSSLGLWASGLILVLGFLKLIHLLRRQTLAKAMDKFPGPPTHWLFGHA LEIQETGSLDKVVSWAHQFPYAHPLWFGQFIGFLNIYEPDYAKAVYSRGDPKAPDVY DFFLQWIGRGLLVLEGPKWLQHRKLLTPGFHYDVLKPYVAVFTESTRIMLDKWEKA REGKSFDIFCDVGHMALNTLMKCTFGRGDTGLGHSRDSSYYLAVSDLTLLMQQRLV SFQYHNDFIYWLTTPHGRRFLRACQVAHDHTDQVIRERKAALQDEKVRKKIQNRRHL DFLDILLGARDEDDIKLSADLRAEVDTFMFEGHDTTSGISWFLYCMALYPEHQHR

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CREEVREILGDQDFQWDDLKGKMTYLTMCIKESFRLYPPVPQVYRQLSKPVTFVDG
 RSLPAGSLISMHIYALHRNSAVWPDPEVFDSLRFSTENASKRHPFAFMPFSAGPRN
 CIGQQFAMSEMKVVTAMCLLRFESLDPSRLPIKMPQLVLRSKNGFHLHLKPLGPGS
 GKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 CYP4B1 cytochrome P450 family 4 subfamily B member 1 [Homo sapiens (human)]

Official Symbol CYP4B1

Synonyms CYP4B1; cytochrome P450, family 4, subfamily B, polypeptide 1; cytochrome P450, subfamily IVB, polypeptide 1; cytochrome P450 4B1; cytochrome P450-HP; microsomal monooxygenase; CYP4B1; P-450HP;

Gene ID 1580

mRNA Refseq NM_001099772

Protein Refseq NP_001093242

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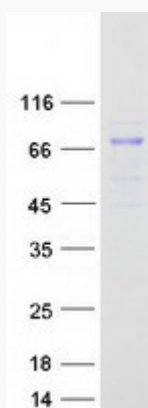
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MIM 124075

UniProt ID P13584

SDS-PAGE



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