

Recombinant Full Length Human CYP4B1 Protein, GST-tagged

Cat. No. CYP4B1-2441HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYP4B1 full-length ORF (AAH17758.1, 1 a.a. - 512 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	512 amino acids
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. [provided by RefSeq, Jan 2016]
Molecular Mass	82.06 kDa
AA Sequence	MVPSFLSLSFSSLGLWASGLILVLGFLKLIHLLRRQTLAKAMDKFPGPPTHWLFGHA LEIQETGSLDKVSWAHQFPYAHPLWFGQFIGFLNIYEPDYAKAVYSRGDPKAPDVY DFFLQWIGRGLLVLEGPKWLQHRKLLTPGFHYDVLKPYVAVFTESTRIMLDKWEEK REGKSFDIFCDVGHMALNTLMKCTFGRGDTGLGHSRDSSYYLAVSDLTLLMQQRLV SFQYHNDFIYWLTPHGRRFLRACQVAHDHTDQVIRERKAALQDEKVRKKIQNRRHL DFLDILLGARDEDDIKLSADLRAEVDTFMFEGHDTTTSGISWFLYCMALYPEHQHR

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CREEVREILGDQDFFQWDDLKGKMTYLTMCIKESFRLYPPVPQVYRQLSKPVTFVDG
 RSLPAGSLISMHIYALHRNSAVWPDPEVFDSLRFSTENASKRHPFAFMPFSAGPRN
 CIGQQFAMSEMKVVTAMCLLRFEFSLDPSRLPIKMPQLVLRSKNGFHLHLKPLGPGS
 GK

Applications
 Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes
 Best use within three months from the date of receipt of this protein.

Storage
 Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer
 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name
 CYP4B1 cytochrome P450, family 4, subfamily B, polypeptide 1 [Homo sapiens]

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_000779

Protein Refseq
 NP_000770

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MIM	124075
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UniProt ID	P13584
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