

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
RSLPAGSLISMHIYALHRNSAVWPDPEVFDSLRFSTENASKRHPPFAFMPFSAGPRN
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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