

Recombinant Full Length Human CYP2C18 Protein, GST-tagged

Cat. No. CYP2C18-2387HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYP2C18 full-length ORF (NP_000763.1, 1 a.a. - 490 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	490 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 but its specific substrate has not yet been determined. The gene is located within a cluster of cytochrome P450 genes on chromosome 10q24. An additional gene, CYP2C17, was once thought to exist; however, CYP2C17 is now considered an artefact based on a chimera of CYP2C18 and CYP2C19. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Molecular Mass	82.1 kDa
AA Sequence	MDPAVALVLCLSCLFLLSLWRQSSGRGRLPSGPTPLPIIGNILQLDVKDMSKSLTNFS KVYGPVFTVYFGLKPIVVLHGYEAVKEALIDHGEEFSGRGSFPVAEKVNKGLGILFSN GKRWKEIRRFCLMTLRNFGMGKRSIEDRVQEEARCLVEELRKTNASPCDPTFILGCA

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PCNVICSVIFHDRFDYKDQRFLNLMEKFNENLRILSSPWIQVCNNFPALIDYLPGSHN
KIAENFAYIKSYVLERIKEHQESLDMNSARDFIDCFLIKMEQEKNQSQSEFTVESLIAT
VTDMFGAGTETTSTTLRYGLLLLLKYPEVTAKVQEEIECVVGRNRSPCMQDRSHMP
YTDAVVHEIQRYIDLLPTNLPHAVTCDVKFKNYLIPKGTIITSLTSVLHNDKEFPNPEM
FDPGHFLDKSGNFKKSDYFMPFSAGKRMCMGEGLARMELFLFTTILQNFNLKSQV
DPKDIDITPIANAFGRVPPLYQLCFIPV

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

CYP2C18 cytochrome P450, family 2, subfamily C, polypeptide 18 [Homo sapiens]

Official Symbol

CYP2C18

Synonyms

CYP2C18; cytochrome P450, family 2, subfamily C, polypeptide 18; CYP2C17, cytochrome P450, subfamily IIC (mephenytoin 4 hydroxylase), polypeptide 18; cytochrome P450 2C18; CPCI; CYP2C; P450IIC17; CYP1IC18; cytochrome P450-6B/29C; microsomal monooxygenase; unspecific monooxygenase; flavoprotein-linked monooxygenase; (S)-mephenytoin hydroxylase associated cytochrome P450; cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase), polypeptide 17; cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase), polypeptide 18;

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CYP2C17; P450-6B/29C; DKFZp686I24235;

Gene ID	1562
mRNA Refseq	NM_000772
Protein Refseq	NP_000763
MIM	601131
UniProt ID	P33260

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