

Recombinant Human CYP2C18 Protein, GST-tagged

Cat. No. CYP2C18-2261H **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	Wheat Germ
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	MDPAVALVLCLSCFLLSLWRQSSGRGRLPSGPTPLPIIGNILQLDVKDMSKSLTNFS KVYGPVFTVYFGLKPIVVLHGYEAVKEALIDHGEEFSGRGSFPVAEKVNKGLGILFSN GKRWKEIRRFCLMTLRNFGMGKRSIEDRVQEEARCLVEELRKTNASPCDPTFILGCA PCNVICSVIFHDFDYKDQRFLNLMKFNENLRILSSPWIQVCNNFPALIDYLPGSHN KIAENFAYIKSYVLERIKEHQESLDMNSARDFIDCFLIKMEQEKHNQQSEFTVESLIAT

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VTDMFGAGTETTSTTLRYGLLLLLKYPEVTAKVQEEIECVVGRNRSPCMQDRSHMP
 YTDVVHEIQRYIDLLPTNLPHAVTCDVKFKNYLIPKGTTIITSLTSVLHNDKEFPNPEM
 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

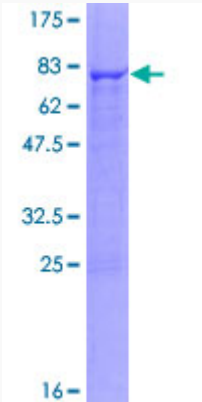
Synonyms

CYP2C18; cytochrome P450, family 2, subfamily C, polypeptide 18; CYP2C17, cytochrome P450, subfamily IIC (mephenytoin 4 hydroxylase), polypeptide 18; cytochrome P450 2C18; CPC1; 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; CYP2C17; P450-6B/29C; DKFZp686I24235;

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Gene ID	1562
mRNA Refseq	NM_000772
Protein Refseq	NP_000763
MIM	601131
UniProt ID	P33260
Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.