

Recombinant Human CYP2C18 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CYP2C18-1195H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CYP2C18 MS Standard C13 and N15-labeled recombinant protein (NP_000763) 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 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.
Molecular Mass	55.5 kDa
AA Sequence	MDPAVALVLCLSCFLLSLWRQSSGRGRLPSGPTPLPIIGNILQLDVKDMSKSLTNFS KVYGPVFTVYFGLKPIVVLHGYEAVKEALIDHGEEFSGRGSFPVAEKVNKGLGILFSN GKRWKEIRRFCLMTLRNFGMGKRSIEDRVQEEARCLVEELRKTNASPCDPTFILGCA PCNVICSVIFHDFDYKDQRFLNLMEKFNENLRILSSPWIQVCNNFPALIDYLPGSHN

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KIAENFAYIKSYVLERIKEHQESLDMNSARDFIDCFLIKMEQEKHNNQSEFTVESLIAT
VTDMFGAGTETTSTTLRYGLLLLLLKYPEVTAKVQEEIECVVGRNRSPCMQDRSHMP
YTDAVVHEIQRYIDLLPTNLPHAVTCDVKFKNYLIPKGTIITSLSVLHNDKEFPNPEM
FDPGHFLDKSGNFKKSDYFMPFSAGKRMCMGEGLARMELFLFTTILQNFNLKSQV
DPKDIDITPIANAFGRVPPLYQLCFIPVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 CYP2C18 cytochrome P450 family 2 subfamily C member 18 [Homo sapiens (human)]

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

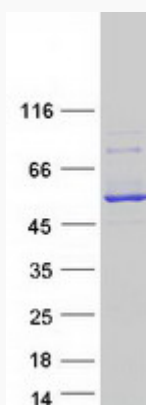
mRNA Refseq NM_000772

Protein Refseq NP_000763

MIM 601131

UniProt ID P33260

SDS-PAGE



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