

Recombinant Full Length Human CYP2C8 Protein, Flag tagged

Cat. No. CYP2C8-30HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human cytochrome P450, family 2, subfamily C, polypeptide 8 (CYP2C8) with C-Flag tag was expressed in HEK293T.
Species	Human
Source	HEK293T
ProteinLength	1-490 aa
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 and its expression is induced by phenobarbital. The enzyme is known to metabolize many xenobiotics, including the anticonvulsive drug mephenytoin, benzo(a)pyrene, 7-ethoxycoumarin, and the anti-cancer drug taxol. This gene is located within a cluster of cytochrome P450 genes on chromosome 10q24. Several transcript variants encoding a few different isoforms have been found for this gene.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Molecular Mass	55.6 kDa
AASequence	MEPFVVLVLCLSFMLLFSLWRQSCRRRKLP PGPTPLPIIGNMLQIDVKDICKSFTNFS KVYGPVFTVYFGMNPVVFHGYESVKEALIDNGEEFSGRGNSPISQRITKGLGISSN

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GKRWKEIRRFSLTTLRNFGMGKRSIEDRVQEEAHCLVEELRKTASPCDPTFILGCA
PCNVICSVVFQKRFDYKDQNFLTLMKRFNENFRILNSPWIQVCNNFLLIDCFPGTHN
KVLKNVALTRSYIREKVKEHQASLDVNNPRDFIDCFLIKMEQEKDNQKSEFNENLVG
TVADLFVAGTETTSTTLRYGLLLLLKHPEVTAKVQEEIDHVIGRHRSPCMQDRSHMP
YTDAVVHEIQRYSDLVPTGVPHAVTTDTKFRNYLIPKGTTIMALLTSVLHDDKEFPNP
NIFDPGHFLDKNGNFKKSDYFMPFSAGKRICAGEGLARMELFLTLTILQNFNLKSVD
DLKNLNTTAVTKGIVSLPPSYQICFIPVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Notes For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Concentration >0.05 µg/µL as determined by microplate BCA method

GENE INFORMATION

Gene Name CYP2C8 cytochrome P450, family 2, subfamily C, polypeptide 8 [Homo sapiens (human)]

Official Symbol CYP2C8

Synonyms CYP2C8; cytochrome P450, family 2, subfamily C, polypeptide 8; cytochrome P450, subfamily IIC (mephenytoin 4 hydroxylase), polypeptide 8; cytochrome P450 2C8; CPC8; P450 form 1; cytochrome P450 IIC2; cytochrome P450 MP-12; cytochrome P450 MP-20; cytochrome P450 form 1; microsomal monooxygenase; xenobiotic monooxygenase; s-mephenytoin 4-hydroxylase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase), polypeptide 8;

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CYPIIC8; MP-12/MP-20;

Gene ID 1558

mRNA Refseq NM_000770

Protein Refseq NP_000761

MIM 601129

UniProt ID P10632

SDS-PAGE

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66
45
35
25
18
14



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