

Recombinant Full Length Human CYP2R1 Protein, GST-tagged

Cat. No. CYP2R1-2393HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYP2R1 full-length ORF (NP_078790.2, 1 a.a. - 501 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	501 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 enzyme is a microsomal vitamin D hydroxylase that converts vitamin D into the active ligand for the vitamin D receptor. A mutation in this gene has been associated with selective 25-hydroxyvitamin D deficiency. [provided by RefSeq, Jul 2008]
Molecular Mass	83.8 kDa
AA Sequence	MWKLWRAEEGAAALGGALFLLL FALGVRQLLKQRRPMGFPPGPPGLPFIGNIYSLA ASSELPHVYMRKQSQVYGEIFSLDLGGISTVVLNGYDVVKECLVHQSEIFADRPCLP LFMKMTKMGGLLNSRYGRGWVDHRR LAVNSFRYFGYGQKSFESKILEETKFFND AI ETYKGRPFDFKQLITNAVSNITNLIIFGERFTYEDTDFQHMIELFSENVELAASASVFLY NAFPWIGILPFGKHQQLFRNAAVVYDFLSRLIEKASVNRKPQLPQH FVDAYLDEMDQ GKNDPSSSTFSKENLIFSVGELIAGTETTTNVLRWAILFMALYPNIQGGVQKEIDLIMG PNGKPSWDDKCKMPYTEAVLHEVLRFCNIVPLGIFHATSEDAVVRGYSIPKGTTVITN

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LYSVHFDEKYWRDPEVFHPERFLDSSGYFAKKEALVPFSLGRRHCLGEHLARMEMF
LFFTALLQRFHLHFPHELVPDLKPRLGMTLQPQPYLICAERR

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

CYP2R1 cytochrome P450, family 2, subfamily R, polypeptide 1 [Homo sapiens]

Official Symbol

CYP2R1

Synonyms

CYP2R1; cytochrome P450, family 2, subfamily R, polypeptide 1; vitamin D 25-hydroxylase; cytochrome P450 2R1; cytochrome P450, family 2, R1; MGC4663;

Gene ID

120227

mRNA Refseq

NM_024514

Protein Refseq

NP_078790

MIM

608713

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UniProt ID

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