

Recombinant Human CYP2R1 Protein, GST-tagged

Cat. No. CYP2R1-2269H **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	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 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	MWKLWRAEEGAAALGGALFLLLFALGVRQLLKQRRPMGFPPGPPGLPFIGNIYSLA ASSELPHVYMRKQSQVYGEIFSLDLGGISTVVLNGYDVVKECLVHQSEIFADRPCLP LFMKMTKMGGLLNSRYGRGWVDHRRRLAVNSFRYFGYGQKSFESKILEETKFFNDI ETYKGRPFDFKQLITNAVSNITNLIIFGERFTYEDTDFQHMIELFSENVELAASASVFLY NAFPWIGILPFGKHQQLFRNAAVVYDFLSRLIEKASVNRKPQLPQHFDVDAYLDEMDQ GKNDPSSTFSKENLIFSVGELIAGTETTTNVLRWAILFMALYPNIQGQVQKEIDLIMG PNGKPSWDDKCKMPYTEAVLHEVLRFCNIVPLGIFHATSEDAVVRGYSIPKGTTVITN LYSVHFDEKYWRDPEVFHPERFLDSSGYFAKKEALVPFSLGRRHCLGEHLARMEMF

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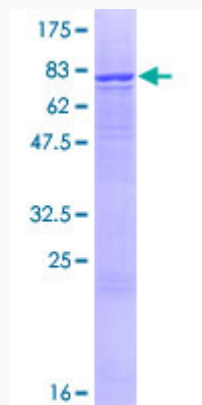
 45-1 Ramsey Road, Shirley, NY 11967, USA

	LFFFTALLQRFHLHFPHELVPDLKPRLGMTLQPQPYLICAERR
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
UniProt ID	Q6VVX0

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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