

## Product datasheet for TP311200

### CYP2R1 (NM\_024514) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human cytochrome P450, family 2, subfamily R, polypeptide 1 (CYP2R1), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC211200 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MWKLWRAEEGAAALGGALFLLLFALGVRQLLKQRRPMGFPPGPPGLPFIGNIYSLAASSELPHVYMRKQS  
QVYGEIFSLDLGGISTVVLNGYDVVKECLVHQSEIFADRPCLPLFMKMTKMGGLLNSRYGRGWVDRRLA  
VNSFRYFGYGQKSFESKILEETKFFNDAIETYKGRPFDFKQLITNAVSNITNLIIFGERFTYEDTDFQHM  
IELFSEVELAASASVFLYNAPFWIGILPFGKHQQLFRNAAVVYDFLSRLIEKASVNRKPQLPQHFDAY  
LDEM DQ GKN D P S S T F S K E N L I F S V G E L I I A G T E T T T N V L R W A I L F M A L Y P N I Q G Q V Q K E I D L I M G P N G K P  
S W D D K C K M P Y T E A V L H E V L R F C N I V P L G I F H A T S E D A V V R G Y S I P K G T T V I T N L Y S V H F D E K Y W R D P E V F  
H P E R F L D S S G Y F A K K E A L V P F S L G R R H C L G E H L A R M E M F L F F T A L L Q R F H L H F P H E L V P D L K P R L G M T L Q  
P Q P Y L I C A E R R

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 57.2 kDa

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

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

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

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

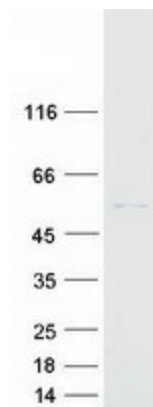
**Storage:** Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_078790</a>
<b>Locus ID:</b>	120227
<b>UniProt ID:</b>	<a href="#">Q6VWX0</a>
<b>RefSeq Size:</b>	1633
<b>Cytogenetics:</b>	11p15.2
<b>RefSeq ORF:</b>	1503
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, P450, Transmembrane

### Product images:



Coomassie blue staining of purified CYP2R1 protein (Cat# TP311200). The protein was produced from HEK293T cells transfected with CYP2R1 cDNA clone (Cat# [RC211200]) using MegaTran 2.0 (Cat# [TT210002]).