

Recombinant Mouse Cyp27b1 protein, His-tagged

Cat. No. Cyp27b1-2791M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cyp27b1 protein(O35084)(1-507aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	1-507aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	60.2 kDa
AA Sequence	MTQAVKLASRVFHHRIHLPLQLDASLGSRGSESVLRSLSDIPGPSTLSFLAELFCKGGL SRLHELQVHGAARYGPIWSGSFGTLRTVYVADPTLVEQLLRQESHCPERCSFSSWA EHRRRHQRACGLLTADGEEWQRLRSLAPLLLRPQAAAGYAGTLDNVVRDLVRRRL RRQRGRGSGPLGLVLDVAGEFYKFGLESIGAVLLGSRLGCLEAEVPPDTETFIHAVG SVFVSTLLTMAMPNWLHHLIPGPWARLCRDWDQMFAFAQRHVELREGEAAMRNQ GKPEEDMPSGHHLTHFLFREKVSQVSGVGNVTELLAGVDTVSNLTLSWTLYELSRHP DVQTALHSEITAGTRGSCAHPHGTALSQPLLLKAVIKEVLRLYPVVPGNSRVPDRDIR VGNYVIPQDTLVSLCHYATSRDPTQFPDPNSFNPARWLGEGPTPHPFASLPFGFGK RSCIGRRLAEELELQMALESQILTHFEVLPEPGALPIKPMTRTVLVPERSINLQFVDR

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Purity	Greater than 90% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.
GENE INFORMATION	
Gene Name	Cyp27b1 cytochrome P450, family 27, subfamily b, polypeptide 1 [<i>Mus musculus</i>]
Official Symbol	Cyp27b1
Synonyms	CYP27B1; cytochrome P450, family 27, subfamily b, polypeptide 1; 25-hydroxyvitamin D-1 alpha hydroxylase, mitochondrial; P450VD1alpha; 1alpha(OH)ase; VD3 1A hydroxylase; cytochrome p450 27B1; cytochrome P450, 27b1; cytochrome P450C1 alpha; cytochrome P450VD1-alpha; calcidiol 1-monoxygenase; 25(OH)D 1alpha-hydroxylase; 25-OHD-1 alpha-hydroxylase; 25-hydroxyvitamin D3 1alpha-hydroxylase; 25-hydroxyvitamin D(3) 1-alpha-hydroxylase; cytochrome P450 subfamily XXVIIIB polypeptide 1; cytochrome P450, 40 (25-hydroxyvitamin D3 1 alpha-hydroxylase); 25-hydroxyvitamin D-1 alpha hydroxylase, mitochondrial precursor (25-OHD-1 alpha-hydroxylase) (25-hydroxyvitamin D3 1-alpha-hydroxylase) (VD3 1A hydroxylase) (P450C1 alpha) (P450VD1-alpha); Vdr; Cp2b; Cyp1; Pddr; Vdd1; Vddr; Cyp40; Vddrl; Cyp27b; P450c1; MGC91184;
Gene ID	13115
mRNA Refseq	NM_010009

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Protein Refseq

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