



Recombinant Mouse CYP27B1 Protein Product Manual

1. Product Basic Information

Product No.: REP06622

Protein Name: Vd3 1A Hydroxylase (CYP27B1)

Aliases: CP2B; CYP1; PDDR; VDD1; VDDR; VDDRI; CYP27B; P450c1; CYP1alpha; 1alpha(OH)ase; VD3 1A hydroxylase; cytochrome p450 27B1; cytochrome P450C1 alpha; cytochrome P450VD1-alpha; calcidiol 1-monooxygenase; 2...

UniProt ID: O15528

UniProt Link: <https://www.uniprot.org/uniprotkb/O15528/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Full Length (1-507aa)

Molecular Weight: 60.2kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-507aa)

MTQAVKLASRVFHRHPLQLDASLGSRGSESVLRSLSDIPGPSTLSFLAELFCKGG
LSRLHELQVHGAARYGPIWSGSFGTLRTVYVADPTLVEQLLRQESHCPERCSFSS
WAEHRRRHQRACGLLTADGEEWQRLRSLLAPLLLRPQAAAGYAGTLDNVVRDLVR
RLRRQRGRGSGPLGLVLDVAGEFYKFGLESIGAVLLGSRLGCLEAEVPPDTETFIHA
VGSVFVSTLLTMAMPNWLHHLIPGPWARLCRDWDQMFAFAQRHVELREGEAAMR
NQGKPEEDMPSGHHLTHFLFREKVSQSVGNVTELLLAGVDTVSNTLSWTLYELS
RHPDVQTALHSEITAGTRGSCAHPHGTALSQPLLLKAVIKEVLRLLYPVVPNGNSRVDP
RDIRVGNYVIPQDTLVSLCHYATSRDPTQFPDPNSFNPARWLGEPTPHPFASLPF
GFGKRSCIGRRRLAELELQMALSQLTHFEVLPEPGALPIKPMTRTVLPERSINLQFV
DR

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Mouse CYP27B1 full length protein (1-507aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. CYP27B1, also known as CP2B or CYP1 or PDDR, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.