



Recombinant Rat CYP1B1 Protein Product Manual

1. Product Basic Information

Product No.: REP06619

Protein Name: Cytochrome P450 1B1 (CYP1B1)

Aliases: CP1B; ASGD6; GLC3A; CYP1B1; P4501B1; cytochrome P450 1B1; microsomal monooxygenase; xenobiotic monooxygenase; aryl hydrocarbon hydroxylase; dioxin-inducible cytochrome p450; flavoprotein-linked monoox...

UniProt ID: Q16678

UniProt Link: <https://www.uniprot.org/uniprotkb/Q16678/entry>

Species Source: Rattus norvegicus (Rat)

Expression System: E.coli

Protein Length: Full Length (1-543aa)

Molecular Weight: 64.6kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-543aa)

MATSLSADSPQQLSSLSTQQTILLLLVSVLAIVHLGQWLLRQWRRKPWSSPPGPFP
WPLIGNAASVGRASHLYFARLARRYGDVFQIRLGSCPVVVLNGESAIHQALVQQGG
VFADRPPFASFVSVSGGRSLAFGHYSERWKERRRAAYGTMRAFSTRHPRSRGLLE
GHALGEARELVAVLVRRRCAGGACLDPTQPIIVAVANVMSAVCFGCRYNHDDAEFLE
LLSHNEEFGRVTGAGSLVDVMPWLQLFPNPVRTIFREFEQINRNFSNFVLDKFLRH
RESLVPGAAPRDMMDAFILSAEKKATGDPGDSPLDLEDVPATITDIFGASQDTLS
TALLWLLILFTRYPDVQARVQAELDQVVGDRDLPCMSDQPNLPYVMAFLYESMRFT
SFLPVTLPHTTANTFVLGGYIPKNTVVFVNQWSVNHDPAKWSNPEDFDPARFLDK
DGFINKALASSVMIFSVGKRRRCIGEELSKTLLFLFISILAHQCNFKANQNEPSNMSFS
YGLSIKPKSFKIHVSLRESMKLLDSAVEKLQAEACQ

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 Rat CYP1B1 full length protein (1-543aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. CYP1B1, also known as CP1B or ASGD6 or GLC3A, 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.