



Recombinant Mouse ABCB4 Protein Product Manual

1. Product Basic Information

Product No.: REP06004

Protein Name: ABCB4

Aliases: GBD1; ICP3; MDR2; MDR3; PGY3; ABC21

UniProt ID: P21439

UniProt Link: <https://www.uniprot.org/uniprotkb/P21439/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Cytoplasmic Domain (352-708aa)

Molecular Weight: 66.6kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (352-708aa)

DAFANARGAAYVIFDIIDNNPKIDSFSEGRGHKPDNIKGNLEFSDVHFSYPSRANIKILK
GLNLKVKSGQTVALVGNNSGCGKSTTVQLLQRLYDPTGKISIDGQDIRNFNVRCLRE
IIGVVSQEPVLFSTTIAENIRYGRGNVTMDEIEKAVKEANAYDFIMKLPQKFDTLVGD
RGAQLSGGQKQRIAIARALVRNPKILLDEATSALDTESEAEVQAALDKAREGRTTIV
IAHRLSTIRNADVIAGFEDGVIVEQQGSHSELMKKEGIYFRLVNMQTAGSQILSEEFV
ELSDEKAAGDVAPNGWKARIFRNSTKKSLKSPHQNRLDEETNELDANVPPVSFLKV
LKLNKTEWPYF

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).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions



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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 ABCB4 cytoplasmic domain protein (352-708aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. ABCB4, also known as GBD1 or ICP3 or MDR2, 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.