



Recombinant Mouse Gp2 Protein Product Manual

1. Product Basic Information

Product No.: REP07012

Protein Name: Glycoprotein Glycoprotein 2 (Zymogen Granule Membrane (Gp2)

Aliases: glycoprotein glycoprotein 2 (zymogen granule membrane

UniProt ID: Q9D733

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9D733/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (22-531aa)

Molecular Weight: 73.0kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (22-531aa)

STIHQGYGRPRNSSNLDLDCGSPDSPSSGICFDPCQNHTVLNDPTRSTENNDSSVA
WCDDNLHGWFYRVGDDGGVKMPETCVSVFRCHTSAPMWLSGSHPI LGDGIVSHTA
CANWNENCCFWRSEVQVKACSEELGEYHVYKLQGTPECSLRYCTDPSTAPKNCEI
TCRPEEEECVFQNNNWSCVCRQDLHVSDSQSLQPLLD CGDNEIKVKLDKCLLGGMG
FKEEIIAYLNDNRNCNGTMQDEPNNWVSM TSPVVANYCGNILEKNGTHAIYRNTLSLA
TDFIIRDFRVNVNFQCA YPLDMSVSLETALQPIVSSLTVDVDGAGEFNVKMALFQDQ
SYTNPYEGAEVLLPVESILYGVLLNRGDTSRFKLLLTNCYATPSEDRHDPVKYFIK
NRCPNQRDSTINVRENGVSSES RFSVQMFMFAGNYDLVFLHCEVYLC DSTTEQCQ
PSCSTNRLRSSRPAIDYNRVLDLGPITKRSAQSSATSKGTPHTTGFL LAWPMFFLPV
FLALLF

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

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 Gp2 full length of mature protein protein (22-531aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. Gp2, also known as glycoprotein glycoprotein 2 (zymogen granule membrane, 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.