



Recombinant Mouse Gba Protein Product Manual

1. Product Basic Information

Product No.: REP06958

Protein Name: Glucosylceramidase Beta 1 (Gba)

Aliases: glucosylceramidase beta 1

UniProt ID: P17439

UniProt Link: <https://www.uniprot.org/uniprotkb/P17439/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (20-515aa)

Molecular Weight: 55.6 kDa

Protein Tag: Tag-Free

2. Amino Acid Sequence (20-515aa)

AQPCIPKSFGYSSVVCVCNASYCDSDLPVTLPALGTFSRYESTRRGRMELSVGAI
QANRTGTGLLLTLQPEKKFQKVKGFGGAMTDALNILALSPPTQKLLRSYFSTNG
IEYNIIRVPMASCDIFSIRVYTYADTPNDFQLSNFSLPEEDTKLKIPLIHQALKMSSRPIS
LFASPWTSPTWLKTNGRVNGKGSLSKQPGDIFHQTWANYFVKFLDAYAKYGLRFW
AVTAENEPTAGLFTGYPFQCLGFTPEHQDRDFISRDLPALANSSHDVKLLMLDDQR
LLLPRWAEVVLSDPEAAKYVHGIAVHWYMDFLAPAKATLGETHRLFPNTMLFASEA
CVGSKFWEQSVRLGSWDRGMQYSHSIITNLLYHVTGWTDLNLALNPEGGPNNWVR
NFVDSPIIVDIPKDAFYKQPMFYHLGHFSKFIPEGSQRVALVASESTDLETVALLRPD
GSAVVVVLNRSSDVPLTISDPDLGFLETVSPGYSIHTYLWRRQ

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 Gba full length of mature protein protein (20-515aa) expressed in E.coli. The protein is tag-free. Gba, also known as glucosylceramidase beta 1, 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.