



Recombinant Human GBE1 Protein Product Manual

1. Product Basic Information

Product No.: REP06960

Protein Name: Brancher Enzyme (GBE1)

Aliases: GBE; APBD; GSD4; brancher enzyme; glycogen branching enzyme; 1,4-alpha-glucan-branching enzyme; amylo-(1,4 to 1,6) transglycosylase; glucan (1,4-alpha-), branching enzyme 1

UniProt ID: Q04446

UniProt Link: <https://www.uniprot.org/uniprotkb/Q04446/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Full Length of Mature Protein (2-702)

Molecular Weight:

Protein Tag: Tag type will be determined during the manufacturing process. The tag type will be determined during production process. If you have specified tag type, please tell us and we will develop the specified tag preferentially.

2. Amino Acid Sequence (2-702)

AAPMTPAARPEDYEAALNAALADVPELARLLEIDPYLKPYAVDFQRRYKQFSQILKNI
GENEGGIDKFSRGYESFGVHRCADGGLYCKEWAPGAEGVFLTGDFNGWNPFSYP
YKKLDYGKWELYIPPKQNKSVLVPHGSKLKVVITSKSGEILYRISPWAKYVVREGDN
VNYDWIHWDPESHSEYFKHSRPPKPRSLRIYESHVGISSHEGKVASYKHFTCNVLPRI
KGLGYNCIQLMAIMEHAYYASFGYQITSFFAASSRYGTPEELQELVDTAHSMTGIIVLL
DVVHSHASKNSADGLNMFDTGDSYFHSRPRGTHDLWDSRLFAYSSWEILRFLLS
NIRWWLEEYRFDGFRFDGVTSMYHHHGVGGGFGDYSEYFGLQVDEDALTYLM
LANHLVHTLCPDSITIAEDVSGMPALCSPISQGGGGFDYRLAMAIPDKWIKLLKEFKD
EDWNMGDIVYTLTNRRYLEKCIAYAESHQALVGDKSLAFWLMDAEMYTNMSVLT
PFTPVIDRGIQLHKMIRLITHGLGGEGYLNFMGNEFGHPEWLDFFPRKGNNEHYHYA
RRQFHLTDDDLLRYKFLNNFDRDMNRLEERYGWLAAPQAYVSEKHEGNKIIAFERA
GLLFIFNFHPSKSYTDYRVGTALPGKFKIVLDSDAEYGGHQRLDHSTDFSEAFEH
NGRPYSLLVYIPSRVALILQNVLDLPN



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 Human GBE1 full length of mature protein protein (2-702) expressed in Yeast. GBE1, also known as GBE or APBD or GSD4, 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.