



Recombinant strain ATCC 204508 / S288c BGL2 Protein Product Manual

1. Product Basic Information

Product No.: REP06255

Protein Name: Glucan 1,3-Beta-Glucosidase (Ec 3.2.1.58) (Exo-1,3-Beta-Glucanase) (Gp29) (Soluble Cell Wall Protein (BGL2)

Aliases: Glucan 1,3-beta-glucosidase (EC 3.2.1.58) (Exo-1,3-beta-glucanase) (GP29) (Soluble cell wall protein

UniProt ID: P15703

UniProt Link: <https://www.uniprot.org/uniprotkb/P15703/entry>

Species Source: *Saccharomyces cerevisiae* (strain ATCC 204508 / S288c) (Baker's yeast)

Expression System: *E.coli*

Protein Length: Full Length of Mature Protein (24-313aa)

Molecular Weight: 38.6 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (24-313aa)

IGELAFNLGVKNNDGTCKSTSDYETELQALKSYTSTVKVYAASDCNTLQNLGPAAE
AEGFTIFVGVWPTDDSHYAAEKAALQTYLPKIKESTVAGFLVGSEALYRNDLTASQL
SDKINDVRSVVADISDSGKSYSGKQVGTVDSWNVLVAGYNSAVIEASDFVMANAF
SYWQQQTMQNASYSFFDDIMQALQVIQSTKGSTDITFWVGETGWPTDGTNFESSY
PSVDNAKQFWKEGICSMRAWGVNVIVFEAFDEDWKPNTSGTSDVEKHWGVFTSS
DNLKYSLDCDFS

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).



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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 strain ATCC 204508 / S288c BGL2 full length of mature protein protein (24-313aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. BGL2, also known as Glucan 1,3-beta-glucosidase (EC 3.2.1.58) (Exo-1,3-beta-glucanase) (GP29) (Soluble cell wall protein, 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.