Recombinant strain ATCC 2001 / CBS 138 / JCM 3761 / NBRC 0622 / NRRL Y-65 ATG8 Protein Product Manual

1. Product Basic Information

Product No.: REP06198

Protein Name: Autophagy-Related 8A (ATG8)

Aliases: Autophagy-related 8a

UniProt ID: P38182

UniProt Link: https://www.uniprot.org/uniprotkb/P38182/entry

Species Source: Candida glabrata (strain ATCC 2001 / CBS 138 / JCM 3761 / NBRC 0622 / NRRL Y-65) (Yeast) (Torulopsis glabrata)

Expression System: E.coli

Protein Length: Full Length (1-116aa)

Molecular Weight: 17.5 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-116aa)

MKSSFKSEYPFEKRKAESERISEKFQNRIPVICEKAEKSDIPEVDKRKYLVPADLTVG
QFVYVIRKRIMLPPEKAIFIFVNDTLPPTASLMSQVYQEHKDKDGFLYVTYSGENTFG

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 strain ATCC 2001 / CBS 138 / JCM 3761 / NBRC 0622 / NRRL Y-65 ATG8 full length protein (1-116aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. ATG8, also known as Autophagy-related 8a, 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.