Recombinant Wheat UBA3 Protein Product Manual

1. Product Basic Information

Product No.: REP08580

Protein Name: Nedd8-Activating Enzyme E1C (UBA3)

Aliases: NAE2; UBE1C; hUBA3; NEDD8-activating enzyme E1C; Nedd8-activating enzyme hUba3; UBA3, ubiquitin-activating enzyme E1 homolog

UniProt ID: Q8TBC4

UniProt Link: https://www.uniprot.org/uniprotkb/Q8TBC4/entry

Species Source: Triticum aestivum(Wheat)

Expression System: E.coli

Protein Length: Partial (429-639aa)

Molecular Weight: 38.7 kDa

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

2. Amino Acid Sequence (429-639aa)

ESLPTYPLEPQDLKPSNNRYDAQVSVFGSKLQKKMEEANTFVVGSGALGCEFLKNL
ALMGVSCSSKGKLTITDDDIIEKSNLSRQFLFRDWNIGQAKSTVAATAASAINPSLHI
DALQNRACPDTENVFHDTFWEGLDVVINALDNVNARMYMDMRCLYFQKPLLESGT
LGAKCNIQMVIPHLTENYGASRDPPEKQAPMCTVHSFPHNID

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 Wheat UBA3 partial protein (429-639aa) expressed in E.coli. The protein is with 6xHis-KSI tag at the N-terminus, which facilitates protein purification, detection and identification. UBA3, also known as NAE2 or UBE1C or hUBA3, 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.