

Recombinant strain ATCC 700392 / 26695 ureA Protein Product Manual

1. Product Basic Information

Product No.: REP08610

Protein Name: Urease Subunit Alpha (ureA)

Aliases: urease subunit alpha

UniProt ID: P14916

UniProt Link: <https://www.uniprot.org/uniprotkb/P14916/entry>

Species Source: Helicobacter pylori (strain ATCC 700392 / 26695) (Campylobacter pylori)

Expression System: E.coli

Protein Length: Full Length (1-238aa)

Molecular Weight: 30.5 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-238aa)

MKLTPELDKMLMLHYAGELAKKRKEKGIKLNVEAVALISAHIMEEARAGKKTAAEL
MQEGRTLLKPDDVMDGVASMIHEVGIEAMFPDGTKLVTVHTPIEANGKLVPGELFLK
NEDITINEGKKAVSVKVKNVGDRPVQIGSHFHFVEVNRCLDFDREKTFGKRLDIASG
TAVRFEPGEEKSVELIDIGGNRRIFGFNALVDRQADNESKKIALHRAKERGFHGAKS
DDNYVKTIKE

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions



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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 700392 / 26695 ureA full length protein (1-238aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. ureA, also known as urease subunit alpha, 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.