

Recombinant strain ATCC 39315 / El Tor Inaba N16961 zot Protein Product Manual

1. Product Basic Information

Product No.: REP08702

Protein Name: Putative Zonula Occludens Toxin (zot)

Aliases: putative zonula occludens toxin

UniProt ID: P38442

UniProt Link: <https://www.uniprot.org/uniprotkb/P38442/entry>

Species Source: Vibrio cholerae serotype O1 (strain ATCC 39315 / El Tor Inaba N16961)

Expression System: E.coli

Protein Length: Full Length (1-399aa)

Molecular Weight: 48.4kDa

Protein Tag: N-terminal 10xHis-tagged

2. Amino Acid Sequence (1-399aa)

MSIFIHHGAPGSYKTS GALWLRLLPAIKSGRHIITNVRGLNLERMAKYLKMDVSDISIE
FIDTDHPDGRLTMARFWHWARKDAFLFIDECGRIWPPRLVTNLKALDTPPDLVAE
DRPESFEVAFDMHRHHGWDICLTTPNIAKVHNMIREAAEIGYRHFNRATVGLGAKF
TLTTHDAANSGQMDSHALTRQVKKIPSPIFKMYASTTTGKARDTMAGTALWKDRKIL
FLFGMVFLMFSYSFYGLHDNPIFTGGNDATIESEQSEPQSKATVGNVAVGSKAVAPA
SFGFCIGRLCVQDGFVTVDERYRLVDNLDIPYRGLWATGHHIYKDTLTVFFETESG
SVPTELFASSYRYKVLPLPDFNHFVFDTFAAQALWVEVKRGLPIKTENDKKGLNSI
F

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 39315 / El Tor Inaba N16961 zot full length protein (1-399aa) expressed in E.coli. The protein is with 10xHis tag at the N-terminus, which facilitates protein purification, detection and identification. zot, also known as putative zonula occludens toxin, 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.