Recombinant Human TXNDC12 Protein Product Manual

1. Product Basic Information

Product No.: REP08571

Protein Name: Er Protein 18 (TXNDC12)

Aliases: AG1; AGR1; ERP16; ERP18; ERP19; TLP19; hAG-PDIA16; hTLP19; ER protein 18; ER protein 19; thioredoxin domain containing 12; endoplasmic reticulum protein ERp19; thioredoxin domain-containing protein 12...

UniProt ID: O95881

UniProt Link: https://www.uniprot.org/uniprotkb/O95881/entry

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (27-172aa)

Molecular Weight: 32.4kDa

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

2. Amino Acid Sequence (27-172aa)

HNGLGKGFGDHIHWRTLEDGKKEAAASGLPLMVIIHKSWCGACKALKPKFAESTEIS
ELSHNFVMVNLEDEEEPKDEDFSPDGGYIPRILFLDPSGKVHPEIINENGNPSYKYF
YVSAEQVVQGMKEAQERLTGDAFRKKHLEDEL

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 Human TXNDC12 full length of mature protein protein (27-172aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. TXNDC12, also known as AG1 or AGR1 or ERP16, 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.