



Recombinant Human ERP44 Protein Product Manual

1. Product Basic Information

Product No.: REP06801

Protein Name: Er Protein 44 (ERP44)

Aliases: PDIA10; TXNDC4; ER protein 44; endoplasmic reticulum protein 44; epididymis secretory sperm binding protein; endoplasmic reticulum resident protein 44 kDa; protein disulfide isomerase family A, member...

UniProt ID: Q9BS26

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9BS26/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (30-406aa)

Molecular Weight: 59.7kDa

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

2. Amino Acid Sequence (30-406aa)

EITSLDTENIDEILNNADVALVNFYADWCRFSQMLHPIFEEASDVIKEEFPNENQVVF
ARVDCDQHS DIAQRYRISKYPTLKLFRNGMMM KREYRGQRSVKALADYIRQQKSD
PIQEIRDLAEITTLDRSKRNIIGYFEQKDS DN YRVFERVANILHDDCAFLSAFGDVSKP
ERYSGDNIIYKPPGHSAPDMVYLGAMTNFDVTYNWIQDKCVPLVREITFENGEEELTE
EGLPFLILFHMKEDTESLEIFQNEVARQLISEKGTINFLHADCDKFRHPLLHIQKTPAD
CPVIAIDSRHMYVFGDFKDVLPGLKQFVFDLHSGKLHREFHHGPDPTDTAPGEQ
AQDVASSPPESSFQKLAPSEYRYTLLRDRDEL

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 ERP44 full length of mature protein protein (30-406aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. ERP44, also known as PDIA10 or TXNDC4 or ER protein 44, 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.