

Recombinant Human TXNDC5 Protein Product Manual

1. Product Basic Information

Product No.: REP08572

Protein Name: Er Protein 46 (TXNDC5)

Aliases: HCC2; ERP46; HCC-STRF8; PDIA15; UNQ364; ENDOPDI; ER protein 46; thioredoxin related protein; thioredoxin-like protein p46; endoplasmic reticulum resident protein 46; epididymis secretory sperm binding...

UniProt ID: Q8NBS9

UniProt Link: <https://www.uniprot.org/uniprotkb/Q8NBS9/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Isoform 2 (1-324aa)

Molecular Weight: 63.2kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (1-324aa)

MEDAKVYVAKVDCTAHS DVC SAQGV RGYPTL KLFKPGQEAVKYQGPRDFQTLEN
WMLQTLN EEPVTPEPEVEPPSAPEL KQGLYEL SASNFELHVAQGDHFIFKFFAPWCG
HCKALAPTWEQLALGLEHSETVKIGKVDCTQHYELCSGNQVRGYPTLLWFRDGKK
VDQYK GKRDLESLREYVESQLQRTETGATETVTPSEAPVLAAEPEADKGTVLALTE
NNFDDTIAEGITFIK FYAPWCGHCKTLAPTWEELSKKEFPGLAGVKIAEVDCTAERNI
CSKYSVRGYPTLLLFRGGKKVSEHSGGRDLDLH RFLVLSQAKDEL

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 TXNDC5 full length of isoform 2 protein (1-324aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. TXNDC5, also known as HCC2 or ERP46 or HCC-STRF8, 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.