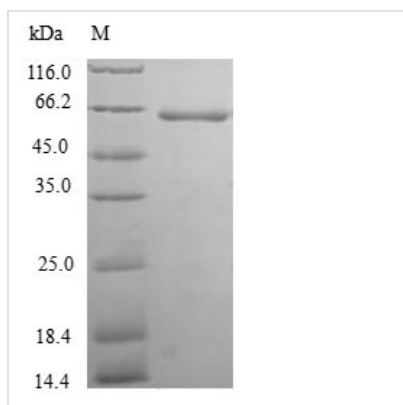


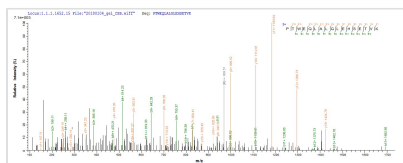


Recombinant Human Thioredoxin domain-containing protein 5 (TXNDC5)

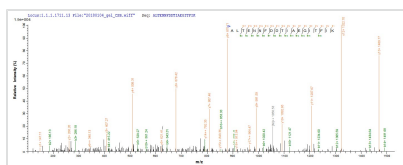
Product Code	CSB-EP847679HU
Relevance	Possesses thioredoxin activity. Has been shown to reduce insulin disulfide bonds. Also complements protein disulfide-isomerase deficiency in yeast
Abbreviation	Recombinant Human TXNDC5 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8NBS9
Alias	Endoplasmic reticulum resident protein 46
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MEDAKVYVAKVDCTAHSDVCSAQQGVRGYPTLKLFPKGQEAVKYQGPRDFQT LENWMLQTLNEEPVTPEPEVEPPSAPELKQGLYELSASNFEHVAQGDHFIKF FAPWCGHCKALAPTWEQLALGLEHSETVKIGKVDCTQHYELCSGNQVRGYPT LLWFRDGKKVDQYKGKRDLESLREYVESQLQRTETGATETVTPSEAPVLAEE PEADKGTVLALTENNFDDTIAEGITFIKFYAPWCGHCKTLAPTWEELSKKEFPG LAGVKIAEVDCTAERNICKYSVRGYPTLLLFRGGKKVSEHSGGRDLDSLHRF VLSQAKDEL
Research Area	Cell Biology
Source	E.coli
Target Names	TXNDC5
Protein Names	Recommended name: Thioredoxin domain-containing protein 5 Alternative name(s): Endoplasmic reticulum resident protein 46 Short name= ER protein 46 Short name= ERp46 Thioredoxin-like protein p46
Expression Region	1-324aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	63.2kDa
Protein Length	Full Length of Isoform 2
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP847679HU could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) TXNDC5.



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Description

This Recombinant Human TXNDC5 protein is an essential tool for researchers in the field of cell biology and related studies. Thioredoxin domain-containing protein 5 (TXNDC5) is a multifunctional protein involved in various cellular processes, including protein folding, redox regulation, and cellular stress response. This versatile protein has been implicated in a variety of pathophysiological conditions, such as inflammation, autoimmune diseases, and cancer.

Our Recombinant Human TXNDC5 protein is produced using a highly efficient E.coli expression system, ensuring a properly folded and functional protein. The expression region of our TXNDC5 protein spans from 1-324aa, covering the full length of Isoform 2. For ease of purification and detection, an N-terminal GST-tag is included, guaranteeing a consistent and high-quality product for your research needs.

With a purity greater than 90% as determined by SDS-PAGE, our Recombinant Human TXNDC5 protein exhibits exceptional quality for your experiments. We offer this product in both liquid and lyophilized powder forms, providing you with the flexibility to choose the most suitable format for your research requirements. Rely on our Recombinant Human TXNDC5 protein to advance your cell biology research and achieve outstanding results.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.