

Datasheet for ABIN7544825
TXNDC3/NME8 Protein (AA 1-588) (His tag)



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Overview

Quantity:	1 mg
Target:	TXNDC3/NME8 (TXNDC3)
Protein Characteristics:	AA 1-588
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TXNDC3/NME8 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NME8 Protein expressed in mammalian cells.
Sequence:	<p>MASKKREVQL QTVINNQLSW DEMLQNKGLT VIDVYQAWCG PCRAMQPLFR KLKNELNEDE ILHFAVAEAD NIVTLQPFRD KCEPVFLFSV NGKIIKIQG ANAPLVNKKV INLIDEERKI AAGEMARPQY PEIPLVSDS EVSEESPCES VQELYSIAII KPDAVISKKV LEIKRKITKA GFIIAEHKT VLTEEQVNF YSRIADQCDF EEFVSFMTSG LSYILVVSQG SKHNPPSEET EPQTDTEPNE RSEDQPEVEA QVTPGMMKNK QDSLQEYLER QHLAQLCDIE EDAANVAKFM DAFFPDFKMM KSMKLEKTLA LLRPNLHER KDDVLRRIKD EDFKILEQRQ VVLSEKEAQA LCKEYENEDY FNKLIENMTS GPSLALVLLR DNGLQYWKQL LGPRTVEEAI EYFPESLCAQ FAMDSL PVNQ LYGSDSLETA EREIQHFFPL QSTLGLIKPH ATSEQREQIL KIVKEAGFDL TQVKKMFLTP EQIEKIYPKV TGKDFYKDLL EMLSVGPSMV MILTKWNAVA EWRRMLMGPTD PEEAKLLSPD SIRAQFGISK LKNIVHGASN AYEAKEVVNR LFEDPEEN Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please</p>

Product Details

contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: TXNDC3/NME8 (TXNDC3)

Alternative Name: NME8 ([TXNDC3 Products](#))

Background: Thioredoxin domain-containing protein 3 (3'-5' exonuclease NME8) (EC 3.1.-.-) (NM23-H8) (NME/NM23 family member 8) (Spermatid-specific thioredoxin-2) (Sptrx-2),FUNCTION: Probably required during the final stages of sperm tail maturation in the testis and/or epididymis, where extensive disulfide bonding of fibrous sheath (FS) proteins occurs. In vitro, it has neither nucleoside diphosphate kinase (NDPK) activity nor reducing activity on disulfide bonds (PubMed:11737268). Exhibits a 3'-5' exonuclease activity with a preference for single-stranded DNA, suggesting roles in DNA proofreading and repair (PubMed:16313181). {ECO:0000269|PubMed:11737268, ECO:0000269|PubMed:16313181}.

Molecular Weight: 67.3 kDa

Target Details

UniProt: [Q8N427](#)

Pathways: [Nucleotide Phosphorylation, Ribonucleoside Biosynthetic Process, Cell RedoxHomeostasis](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months