

## Product datasheet for **TP307744**

### **TXNDC3 (NME8) (NM\_016616) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human thioredoxin domain containing 3 (spermatozoa) (TXNDC3), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207744 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MASKKREVQLQTVINNQSLWDEMLQNKGLTVIDVYQAWCGPCRAMQPLFRKLNELNEDEILHFAVAEAD  
NIVTLQPFDRDKCEPVFLFSVNGKIIKIQGANAPLVNKKVINLIDEERKIAAGEMARPQYPEIPLVSDSDS  
EVSEESPCESVQELYSIAIIPDAVISKKVLEIKRKITKAGFIEAEHKTVLTEEQVNVNFYSRIADQRDF  
EEFVSFMTSGLSYILVVSQGSKHNPPEETEPQTDTEPNERSEDQPEVEAQVTPGMMKNKQDSLQEYLER  
QHLAQLCDIEEDAANVAKFMDAFFPDFKMKSMKLEKTLALLRPNLFHERKDDVLRRIKDEDFKILEQRQ  
VVLSEKEAQALCKEYENEDYFNKLIENMTSGPSLALVLLRDNGLQYWKQLLGPRTVEEAIEYFPESLCAQ  
FAMDSPVNQLYGSLSLETAEREIQHFFPLQSTLGLIKPHATSEQREQILKIVKEAGFDLTQVKKMFLTP  
EQTEKIYPKVTGKDFYKDLLEMLSVGSPSMVMILTKWNAVAEWRRLMGPTDPEEAKLLSPDSIRAQFGISK  
LKNIVHGASNAYEAKVWNRLFEDPEEN

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

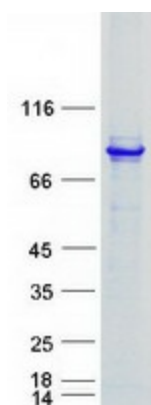
Tag:	C-Myc/DDK
Predicted MW:	67.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_057700</a>
<b>Locus ID:</b>	51314
<b>UniProt ID:</b>	<a href="#">Q8N427</a>
<b>RefSeq Size:</b>	2327
<b>Cytogenetics:</b>	7p14.1
<b>RefSeq ORF:</b>	1764
<b>Synonyms:</b>	CILD6; DNAI8; HEL-S-99; NM23-H8; sptrx-2; SPTRX2; TXNDC3
<b>Summary:</b>	This gene encodes a protein with an N-terminal thioredoxin domain and three C-terminal nucleoside diphosphate kinase (NDK) domains, but the NDK domains are thought to be catalytically inactive. The sea urchin ortholog of this gene encodes a component of sperm outer dynein arms, and the protein is implicated in ciliary function. Mutations in this gene are implicated in primary ciliary dyskinesia type 6.[provided by RefSeq, Nov 2009]
<b>Protein Families:</b>	Druggable Genome

### Product images:



Coomassie blue staining of purified NME8 protein (Cat# TP307744). The protein was produced from HEK293T cells transfected with NME8 cDNA clone (Cat# [RC207744]) using MegaTran 2.0 (Cat# [TT210002]).