

## Product datasheet for **TP307744M**

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

#### **Product data:**

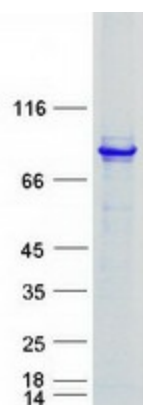
<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human thioredoxin domain containing 3 (spermatozoa) (TXNDC3), 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC207744 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MASKKREVQLQTVINNQSLWDEMLQNKGLTVIDVYQAWCGPCRAMQPLFRKLKNELNEDEILHFAVAE AD NIVTLQPFDRDKCEPVFLFSVNGKIIKIQGANAPLVNKKVINLIDEERKIAAGEMARPQYPEIPLVSDSDS EVSEESPCESVQELYSIAIKPDAVISKKVLEIKRKITKAGFIEAEHKTVLTEEQVVNFYSRIADQRDF EEFVSFMTSGLSYILVVSQGSKHNPPEETEPQTDTEPNERSEDQPEVEAQVTPGMMKNKQDSLQEYLER QHLAQLCDIEEDAANVAKFMDAFFPDFKKMKSMKLEKTLALLRPNLFHERKDDVLRRIKDEDFKILEQRQ VVLSEKEAQALCKEYENEDYFNKLIENMTSGPSLALVLLRDNGLQYWKQLLGPRVVEAIEYFPESLCAQ FAMDSLVPVNQLYGSDSLETAEREIQHFFPLQSTGLIKPHATSEQREQILKIVKEAGFDLTQVKKMFLTP EQTEKIYPKVTGKDFYKDLLEMLSVGPSMVMILTKWNAVAEWRRMLMGPTDPEEAKLLSPDSIRAQFGISK LKNIVHGASNAYEAEKVVNRLFEDPEEN</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	67.1 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	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>	<u>NP_057700</u>
<b>Locus ID:</b>	51314
<b>UniProt ID:</b>	<u>Q8N427</u>
<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]).