

Recombinant Human NME8 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NME8-5884H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TXNDC3 MS Standard C13 and N15-labeled recombinant protein (NP_057700) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	67.3 kDa
AA Sequence	MASKKREVQLQTVINNQSLWDEMLQNKGLTVIDVYQAWCGPCRAMQPLFRKLKNE LNEDEILHFAVAEADNIVTLQPFRDKCEPVFLFSVNGKIIKIQGANAPLVNKKVINLID EERKIAAGEMARPQYPEIPLVDSSEVSEESPCESVQELYSIAIKPDAVISKKVLEIKR KITKAGFIIEAEHKTVLTEEQVVNFYSRIADQRDFEEFVSFMTSGLSYILVVSQGSKH PPSEETEPQTDTEPNERSEDQPEVEAQVTPGMMKNKQDSLQEYLERQHHLAQLCDI EEDAANVAKFMDAFFPDFKKMKSMKLEKTLALLRPNLFHERKDDVLRRIKDEDFKILE QRQVVLSEKEAQALCKEYENEDYFNKLIENMTSGPSLALVLLRDNGLQYWKQLLGP RTVEEAIEYFPESLCAQFAMDSL PVNQLYGSDSLETAEREIQHFFPLQSTLGLIKPHA

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TSEQREQILKIVKEAGFDLTQVKKMFLTPEQTEKIYPKVTGKDFYKDLLEMLSVGPSM
VMILTKWNAVAEWRRMLMGPTDPEEAKLLSPDSIRAQFGISKLNIVHGASNAYEAKE
VVNRLFEDPEENTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name NME8 NME/NM23 family member 8 [Homo sapiens (human)]

Official Symbol NME8

Synonyms NME8; NME/NM23 family member 8; CILD6; SPTRX2; TXNDC3; NM23-H8; sptrx-2; HEL-S-99; thioredoxin domain-containing protein 3; epididymis secretory protein Li 99; sperm-specific thioredoxin 2; spermatid-specific thioredoxin-2; thioredoxin domain containing 3 (spermatozoa)

Gene ID 51314

mRNA Refseq NM_016616

Protein Refseq NP_057700

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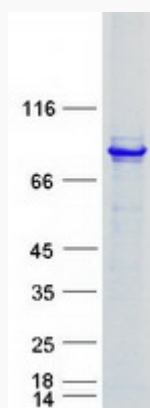
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MIM 607421

UniProt ID Q8N427

SDS-PAGE



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