

Product datasheet for **MC218460**

Nme8 (NM_001167909) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nme8 (NM_001167909) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nme8
Synonyms:	1700056P15Rik; Sptrx-2; Txndc3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC218460 representing NM_001167909
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCAAGCAAAAAGCGTGAAGTCCAGCTACAGTCAGTCGTCATAGTCAGAACTTGTGGGATGAGATGT
 TGCTGAACAAAGGCTTAACAGTGATTGATGTTTACCAAGCCTGGTGTGGACCTTGCAAAGCCGTGCAAAG
 TTTATTAGAAAACTAAAAATGAAGTGAACGAAGATGAGATTCTTCACTTCGTCGTTGCTGAAGCTGAC
 AACATTGTGACTCTCCAGCCATTTAGAGATAAATGTGAGCCCGTGTCTCTTTAGTCTTAATGGTAAAA
 TCATTGCAAAGATTAGGGTGCAAATGCTCCACTTATCAATAGAAAAGTCATTACCTTGATAGATGAAGA
 GAGGAAAATTGTAGCAGGTGAAATGGATCGTCCTCAGTATGTTGAAATCCACTAGTAGATGCAATCGAT
 GAAGAATATGGGAAGTACAGTATGAAAGTGCTGCGGAAGTTTACAATATGGCAATTATCAAACCTGATG
 CTGTACTCATGAGAAAAATATAGAAGTTAGGGAAAAATAGCCAAAGAAGGATTTGTTATAGAAATACA
 AGAAAACCTGATTCTCCCTGAAGAGGTAGTGAGGGAATCTACACTCATATAGCAGACCAGCCTGACTTT
 GAAGAGTTTGTGCTTTCTATGACAAATGGCCTCAGCTGTGTGCTCATTGTATCTCAAGAAGACTCCGAGG
 TTATTCAGGAAGAACTCTCCCGCAGACTGATACAGAAGAAGAACTGGCGTTTTGGAAGAGCCTCACGT
 TAGGTTTGCACCTGTGATGATAAAGAAGAAACGGGACAGTTTGCAAGAGTATATGGACCGACAGCATATG
 TCTGATTACTGCGATGTCGAGGACGATGCGGTTAAGGTCTCTAAGCTCATTGACATATTATCCCTGATT
 TTAAGTATGAAAGACGCAATGTACAAACGACGCTAGCATTACTGCATCCAGACATCTGTGAGGAAGA
 GAAAGATGACGTGTTGACGTTATTACAAATGAAGGGTTCACCATACTGATGCAGAGGCAAAATCGTATTA
 TCAGAGGAAGAAGCAAGAACAGTGTGCAAGATCCATGAAACGAAGAGTATTTTGATAATCTTATAGGGC
 ACATGACCAGTAATCACTCTTATGTCCTTGCTCTACGGAGGGAAAAATGGTGTGGAATATTGGAAAACATT
 AATTGGGCCAAAAACGATTGAGGAAGCTTATGCATCTCATCCACAGAGTTTATGTGTACAGTTTGCTTCA
 GGGAATTTTCTACCAACCAGTTCTACGGGAGCAGTTCAAAGCAGCAGCTGAGAAGGAAATAGCGCATT
 TCTTCCCTCCCAGAGCACACTTGCAATTGATCAAGCCTCATGTGACACACAAAGAAGAATTACAGAAG
 CTCAGGAGG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001167909

Insert Size: 1413 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001167909.1 , NP_001161381.1
RefSeq Size:	1704 bp
RefSeq ORF:	1413 bp
Locus ID:	73412
UniProt ID:	Q715T0
Cytogenetics:	13 7.0 cM
Gene Summary:	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. May be involved in the reduction of disulfide bonds within the sperm FS components. In vitro, it has neither NDP kinase nor reducing activity on disulfide bonds (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks two alternate in-frame exons in the 3' coding region, compared to variant 1. The resulting isoform (2) lacks an internal segment near the C-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.