

Product datasheet for **SC122262**

NME5 (BC026182) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NME5 (BC026182) Human Untagged Clone
Tag:	Tag Free
Symbol:	NME5
Synonyms:	NM23-H5; NM23H5; RSPH23
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC026182 edited AGGTCTCCTAGCAACAAGTTGTACCATATGAGGACGGCCGCTGAGCCATAATGGAGATAT CAATGCCTCCACCTCAGATATATGTAGAAAAAACTCTGGCCATTATCAAACCAGATATTG TTGACAAAAGAGGAGGAGATACAAGATATTATTCTTAGATCCGGATTCACCATTGTTTCAGA GAAGAAAACCTACGCCTCAGCCCTGAGCAATGTAGTAACTTTTATGTGGAAAAGTATGGAA AAATGTTTTTCCCAACTTAACAGCTTACATGAGTTCTGGACCACTTGTGCGCATGATAT TAGCTAGACATAAAGCCATCTCTTATTGGTTAGAAGCTTTTGGGACCAAATAATAGCTTAG TAGCGAAGGAGACACATCCAGACAGTCTGAGGGCAATTTATGGCACAGATGACCTAAGGA ATGCACCTCATGGGAGTAATGACTTTGCTGCTGCGGAAAGAGAAATACGTTTTATGTTTC CTGAAGTGATTGTTGAGCCATTCCAATTGGACAAGCTGCTAAGGACTATTTAAATTTAC ATATAATGCCAACTCTGCTTGAAGGACTCACAGAGCTTTGTAAGCAAAAACCAGCAGATC CTTTGATTTGGCTAGCTGATTGGCTGCTGAAAAATAATCCTAACAAACCCAAACTTTGTC ACCATCCAATTGTAGAAGAACCTTATTAATAAAAAAAAAATCCTCGAAAGAACAATCATGAA CTATCTTATTATAAAAAGGCTGTACTTCTACTGTTTGAAAAAATTTTCTAGGGTTAAG TAACTACAAGTAAAAATAATTTATTTCTTAAAAAAAAAAAAAAAAAAAAAAAAAAGAAAAA AAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC026182 unedited TAGGCGGCCAAATAACTTCGTATAGCATACATTATACTTAGTTATGGATCANGCCAGAGG GCCGAGGCGGATTTCGAAAAGAGCGGAGGTCTCCTAGCAACAAGTTGTACCATATGAGGA CGGCCGCTGAGCCATAATGGAGATATCAATGCCTCCACCTCAGATATATGTAGAAAAAC TCTGGCATTATCAAACCAGATATTGTTGACAAAGAGGAGGAGATACAAGATATTATTCT TAGATCCGGATTACCATTGTTTCAGAGAAGAAAACACGCCTCAGCCCTGAGCAATGTAG TAACTTTTATGTGGAAAAGTATGGAAAATGTTTTTCCCAACTAACAGCTTACATGAG TTCTGGACCACTTGTCCCATGATATTAGCTAGACATAAAGCCATCTCTTATTGGTTAGA ACTTTTGGGACCAATAATAGCTTAGTAGCGAAGGAGACACATCCAGACAGTCTGAGGGC AATTTATGGCACAGATGACCTAAGGAATGCACTTCATGGGAGTAATGACTTTGCTGCTGC GGAAAGAGAAATACGTTTTATGTTTCTGAAGTGATTGTTGAGCCATTCCAATTGGACA AGCTGCTAAGGACTATTTAAATTTACATATAATGCCAAGTCTGCTTGAAGGACTCACAGA GCTTTGTAAGCAAAAACAGCAGATCCTTTGATTGGCTAGCTGATTGGCTGCTGAAAAA TATCCTAACAAACCAAACTTGTACCATCCAATTGTAGAAGAACCTTATTAATAAAAAA TCCTCGAAGGACCAATCATGAACTATCTTATTTATAAGGGCTGGACCTCTACTGGTTGAA AAATTATTTCTGGGGTTAAGAAGTACAGTAAAATAAATTTATTCTTAAAAAAAAC
Restriction Sites:	Please inquire
ACCN:	BC026182
Insert Size:	856 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:	<ol style="list-style-type: none"> 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.
RefSeq:	BC026182.2 , AAH26182.1
RefSeq Size:	851 bp
Locus ID:	8382
Cytogenetics:	5q31.2
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Purine metabolism, Pyrimidine metabolism

Gene Summary:

Does not seem to have NDK kinase activity. Confers protection from cell death by Bax and alters the cellular levels of several antioxidant enzymes including Gpx5. May play a role in spermiogenesis by increasing the ability of late-stage spermatids to eliminate reactive oxygen species (By similarity).[UniProtKB/Swiss-Prot Function]