

Product datasheet for **SC303342**

NME5 (NM_003551) Human Untagged Clone

Product data:

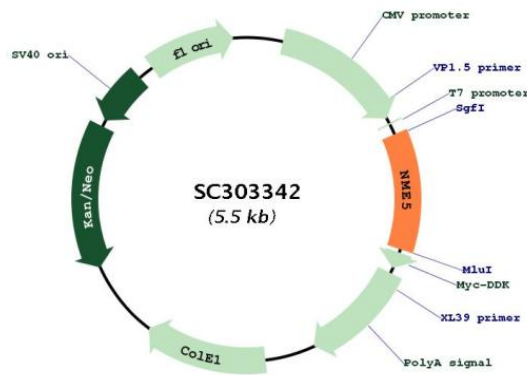
Product Type:	Expression Plasmids
Product Name:	NME5 (NM_003551) Human Untagged Clone
Tag:	Tag Free
Symbol:	NME5
Synonyms:	NM23-H5; NM23H5; RSPH23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303342 representing NM_003551. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGATATCAATGCCTCCACCTCAGATATATGTAGAAAAAAGCTGGCCATTATCAAACCAGATATT
GTTGACAAAGAGGAGGAGATACAAGATATTATTCTTAGATCCGGATTACCATTGTTAGAGAAGAAAA
CTACGCCCTCAGCCCTGAGCAATGTAGTAACTTTATGTGGAAAAGTATGGAAAAATGTTTTCCCAAC
TTAACAGCTTACATGAGTTCTGGACCCTTGTCCGCATGATATTAGCTAGACATAAAGCCATCTCTTAT
TGGTTAGAAGCTTTGGGACCAAATAATAGCTTAGTAGCGAAGGAGACACATCCAGACAGTCTGAGGGCA
ATTTATGGCACAGATGACCTAAGGAATGCCTTCATGGGAGTAATGACTTTGCTGCTGCGGAAAGAGAA
ATACGTTTTATGTTTCTGAAGTGATTGTTGAGCCATTCCAATTGGACAAGCTGCTAAGGACTATTTA
AATTTACATATAATGCCAAGCTGCTTGAAGGACTCACAGAGCTTTGTAAGCAAAAACCAGCAGATCCT
TTGATTTGGCTAGCTGATTGGCTGCTGAAAAATAATCCTAACAAACCCAAACTTTGTCACCATCCAATT
GTAGAAGAACCTTATTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_003551

Insert Size: 639 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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.

RefSeq: [NM_003551.2](#)

RefSeq Size:	1243 bp
RefSeq ORF:	639 bp
Locus ID:	8382
UniProt ID:	P56597
Cytogenetics:	5q31.2
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Purine metabolism, Pyrimidine metabolism
MW:	24.2 kDa
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]