

## Product datasheet for **SC319406**

### NME3 (NM\_002513) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NME3 (NM_002513) Human Untagged Clone
Tag:	Tag Free
Symbol:	NME3
Synonyms:	c371H6.2; DR-nm23; NDPK-C; NDPKC; NM23-H3; NM23H3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_002513.2 AGGAGACTTGGCCTCCGCAGCTGCCCTCCGGCCCCACGGCTGCCGGTTCCGGGGTGC AAGTGAAGCAGCCTCCCCGCGGAGGCCGACGCCCCGACAGGCCTCTTTAAGCGCAGG CCCCGCCCGGGCGCCACCGCCCCGCCCCGCGGATCCCGCTCCCGCACCGCCATCATGAT CTGCCTGGTGCTGACCATCTTCGCTAACCTCTTCCCCGCGGCCTGCACCGCGCACACGA ACGCACCTTCTGGCCGTGAAGCCGGACGGCGTGCAGCGCGGCTGGTGGGCGAGATTGT GCGGCGCTTCGAGAGGAAGGGCTTCAAGTTGGTGGCGCTGAAGCTGGTGCAGGCCTCCGA GGAGCTGCTGCGTGAGCACTACGCCGAGCTGCGTGAACGCCCGTTCTACGGCCGCTTGT CAAGTATATGGCCTCCGGGCCGGTGGTGGCCATGGTTTGGCAGGGGCTGGACGTGGTGGC CACCTCGCGGGCGCTCATCGGAGCCACGAACCCGGCCGACGCCCCGCCCGCACCATCCG CGGGGATTTCTGCATCGAGTTGGCAAGAACCTGATTCACGGCAGCGACTCGGTGGAGAG TGCCCCGCCGAGATCGCTCTCTGGTTCCGCGCAGACGACTCCTCTGCTGGGAGGACAG CGTGGGCACTGGCTGTATGAGTAGCCCCGCGAGATGCGCGTACAGAGGCTCTCACACTC CAGCCTCTCCAGGGCCAGGTGGGCGGGCTTCTGGCCCCACCCACAGCGCTTGGAGCA TCCCTTTGGACGGGCTGCTGAACATCCACTGTCTGGACGTTGCATGGAGGGTGGCGCAG GCCTCTCAATCCCTGGCGTACAGGTTTCTGCCGAGGAGCTGCTCCAGGAGCCTGCG CGGCTCGCCTGGAACGTGCCAGGACACTGTCTGGTGGCCAGCCCAACGTGGTCCAACG TTTTTTTATAATAAAGTCCTCGTTTTCGTTTTCGTTTTGGGCCAGGAACAGGCAAAAAA AAAAAAAAAAAAAAAAAAAA
Restriction Sites:	Please inquire
ACCN:	NM_002513



[View online »](#)

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_002513.2</a></u> , <u><a href="#">NP_002504.2</a></u>
<b>RefSeq Size:</b>	1038 bp
<b>RefSeq ORF:</b>	510 bp
<b>Locus ID:</b>	4832
<b>UniProt ID:</b>	<u><a href="#">Q13232</a></u>
<b>Cytogenetics:</b>	16p13.3
<b>Domains:</b>	NDK
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Metabolic pathways, Purine metabolism, Pyrimidine metabolism
<b>Gene Summary:</b>	Major role in the synthesis of nucleoside triphosphates other than ATP. The ATP gamma phosphate is transferred to the NDP beta phosphate via a ping-pong mechanism, using a phosphorylated active-site intermediate. Probably has a role in normal hematopoiesis by inhibition of granulocyte differentiation and induction of apoptosis.[UniProtKB/Swiss-Prot Function]