

## Product datasheet for **SC302196**

### NME2 (NM\_001018137) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NME2 (NM_001018137) Human Untagged Clone
Tag:	Tag Free
Symbol:	NME2
Synonyms:	NDKB; NDPK-B; NDPKB; NM23-H2; NM23B; PUF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302196 representing NM_001018137. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCCAACCTGGAGCGCACCTTCATCGCCATCAAGCCGGACGGCGTGCAGCGCGGCTGGTGGCGGAG
ATCATCAAGCGCTTCGAGCAGAAGGGATTCCGCCTCGTGGCCATGAAGTTCCTCCGGCCTCTGAAGAA
CACCTGAAGCAGCACTACATTGACCTGAAAGACCGACCATTCTCCCTGGGCTGGTGAAGTACATGAAC
TCAGGGCCGGTTGTGGCCATGGTCTGGGAGGGGCTGACGTGGTGAAGACAGGCCGAGTATGCTTGGG
GAGACCAATCCAGCAGATTCAAAGCCAGGCACCATTCTGTTGGGACTTCTGCATTCAGTTGGCAGGAAC
ATCATTATGGCAGTGATTTCAGTAAAAAGTGCTGAAAAAGAAATCAGCCTATGGTTAAGCCTGAAGAA
CTGGTTGACTACAAGTCTTGTGCTCATGACTGGGTCTATGAATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001018137
Insert Size:	459 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).



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<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>	<a href="#">NM_001018137.2</a>
<b>RefSeq Size:</b>	867 bp
<b>RefSeq ORF:</b>	459 bp
<b>Locus ID:</b>	4831
<b>UniProt ID:</b>	<a href="#">P22392</a>
<b>Cytogenetics:</b>	17q21.33
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	Metabolic pathways, Purine metabolism, Pyrimidine metabolism
<b>MW:</b>	17.3 kDa
<b>Gene Summary:</b>	<p>Nucleoside diphosphate kinase (NDK) exists as a hexamer composed of 'A' (encoded by NME1) and 'B' (encoded by this gene) isoforms. Multiple alternatively spliced transcript variants have been found for this gene. Read-through transcription from the neighboring upstream gene (NME1) generates naturally-occurring transcripts (NME1-NME2) that encode a fusion protein comprised of sequence sharing identity with each individual gene product. [provided by RefSeq, Nov 2010]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1-4 encode the same isoform (a).</p>