

Product datasheet for **SC319374**

NME2 (NM_001018139) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NME2 (NM_001018139) Human Untagged Clone
Tag: Tag Free
Symbol: NME2
Synonyms: NDKB; NDPK-B; NDPKB; NM23-H2; NM23B; PUF
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001018139.1
GTTCCCTCTTCCGCTTGGCTGCCGACAGGACCATGGCCAACCTGGAGCGCACCTTCATCG
CCATCAAGCCGGACGGCGTGCAGCGCGCCTGGTGGGCGAGATCATCAAGCGCTTCGAGC
AGAAGGGATTCCGCCTCGTGGCCATGAAGTTCTCCGGGCTCTGAAGAACACCTGAAGC
AGCACTACATTGACCTGAAAGACCGACCATTTCTCCCTGGGCTGGTGAAGTACATGAACT
CAGGGCCGTTGTGGCCATGGTCTGGGAGGGGCTGAACGTGGTGAAGACAGGCCGAGTGA
TGCTTGGGAGACCAATCCAGCAGATTCAAAGCCAGGCACCATTCGTGGGACTTCTGCA
TTCAGGTTGGCAGGAACATCATTGAGCAGTATTGAGTAAAAAGTGTGAAAAAGAAA
TCAGCCTATGGTTAAGCCTGAAGAACTGGTTGACTACAAGTCTTGTGCTCATGACTGGG
TCTATGAATAAGAGGTGGACACAACAGCAGTCTCCTTCAGCACGGCGTGGTGTGCCCTG
GACACAGCTCTTATTCCATTGACTTAGAGGCAACAGGATTGATCATTCTTTATAGAGC
ATATTTGCCAATAAAGCTTTTGAAGCCGGAAAAA
AA
AA
AA
AA

Restriction Sites: Please inquire
ACCN: NM_001018139
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:	<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:	<u>NM_001018139.1, NP_001018149.1</u>
RefSeq Size:	702 bp
RefSeq ORF:	459 bp
Locus ID:	4831
UniProt ID:	<u>P22392</u>
Cytogenetics:	17q21.33
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Metabolic pathways, Purine metabolism, Pyrimidine metabolism
Gene Summary:	<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 (4) differs in the 5' UTR, compared to variant 1. Variants 1-4 encode the same isoform (a).</p>