

Product datasheet for **SC125467**

NM23A (NME1) (NM_000269) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NM23A (NME1) (NM_000269) Human Untagged Clone
Tag: Tag Free
Symbol: NM23A
Synonyms: AWD; GAAD; NB; NBS; NDKA; NDPK-A; NDPKA; NM23; NM23-H1
Mammalian Cell Selection: None
Vector: [pCMV6-XL6](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_000269 edited
 ATGGCCAACGTGTGAGCGTACCTTCATTGCGATCAAACCAGATGGGGTCCAGCGGGTCTT
 GTGGGAGAGATTATCAAGCGTTTTGAGCAGAAAGGATTCCGCCTTGTGGTCTGAAATTC
 ATGCAAGCTTCCGAAGATCTTCTCAAGGAACACTACGTTGACCTGAAGGACCGTCCATTC
 TTTGCCCGCTGGTAAAATACATGCACTCAGGGCCGGTAGTTGCCATGGTCTGGGAGGGG
 CTGAATGTGGTGAAGACGGGCCGAGTCATGCTCGGGGAGACCAACCCTGCAGACTCCAAG
 CCTGGGACCATCCGTGGAGACTTCTGCATAACAAGTTGGCAGGAACATTATACATGGCAGT
 GATTCTGTGGAGAGTGCAGAGAAGGAGATCGGCTTGTGGTTTTACCCTGAGGAACTGGTA
 GATTACACGAGCTGTCTCAGAAGTGGATCTATGAATGA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_000269 unedited
 CCCCCCAATTCTCCCGCCGTTGCCGCTTTGGGCGGTAGGCGTGTACGGTGGGAGGTCT
 ATATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAG
 CGGCCCGGAATTCGGCACGAGGTGCGAACCACGTGGGTCCCGGGCGGTTTTGGGTGCTG
 GCGGCTGCAGCCGGAGTTCAAACCTAAGCAGCTGGAAGGAACCATGGCCAACGTGAGCG
 TACCTTCATTGCGATCAAACCAGATGGGGTCCAGCGGGTCTTGTGGGAGAGATTATCAA
 GCGTTTTGAGCAGAAAGGATTCCGCCTTGTGGTCTGAAATTCATGCAAGCTTCCGAAGA
 TCTTCTCAAGGAACACTACGTTGACCTGAAGGACCGTCCATTCTTTGCCGCTGGTGA
 ATACATGCACTCAGGGCCGGTAGTTGCCATGGTCTGGGAGGGGCTGAATGTGGTGAAGAC
 GGGCCGAGTCATGCTCGGGGAGACCAACCCTGCAGACTCCAAGCCTGGGACCATCCGTGG
 AGACTTCTGCATAACAAGTTGGCAGGAACATTATACATGGCAGTGATTCTGTGGAGAGTGC
 AGAGAAGGAGATCGGCTTGTGGTTTTACCCTGAGGAACTGGTAGATTACACGAGCTGTGC
 TCAGAAGTGGATCTATGAATGACAGGAGGGCAGACCACATTGCTTTTACATCCATTTCC
 CCTCCTCCCATGGGCAGAGGACCAGGCTGTAGGAGATCTAGTTATTTACAGGAACTTCA
 TCATAATTTGGAGGGAAGCTCTTGGAGCTGTGAGTTCTCCCTGTACAGTGTACCATCCT
 CGACCATCTGATTAATAATGCTTTCTCTCTNNNNNAANNNTCCCCACCCCCCCCCCCCC

Restriction Sites: NotI-NotI



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ACCN:	NM_000269
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:	NM_000269.2 , NP_000260.1
RefSeq Size:	811 bp
RefSeq ORF:	459 bp
Locus ID:	4830
UniProt ID:	P15531
Cytogenetics:	17q21.33
Domains:	NDK
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Protein Pathways:	Metabolic pathways, Purine metabolism, Pyrimidine metabolism
Gene Summary:	<p>This gene (NME1) was identified because of its reduced mRNA transcript levels in highly metastatic cells. Nucleoside diphosphate kinase (NDK) exists as a hexamer composed of 'A' (encoded by this gene) and 'B' (encoded by NME2) isoforms. Mutations in this gene have been identified in aggressive neuroblastomas. Two transcript variants encoding different isoforms have been found for this gene. Co-transcription of this gene and the neighboring downstream gene (NME2) generates naturally-occurring transcripts (NME1-NME2), which encodes a fusion protein comprised of sequence sharing identity with each individual gene product. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) lacks an alternate exon compared to variant 1. The resulting isoform (b) has a shorter N-terminus compared to isoform a.</p>