

Product datasheet for SC333992

NME4 (NM_001286433) Human Untagged Clone

Product data:

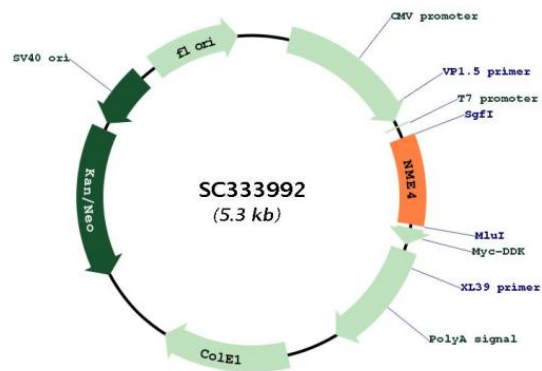
Product Type:	Expression Plasmids
Product Name:	NME4 (NM_001286433) Human Untagged Clone
Tag:	Tag Free
Symbol:	NME4
Synonyms:	NDPK-D; nm23-H4; NM23H4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333992 representing NM_001286433. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCGGCTCTTCTGGCGCTCCGCGCTGCGGGGCTGCGTGC GGCCCGGGCCCCGGGCCGAGC
CTGCTAGTGCCACGGCTCGGGAGGGCCCTCTGGACCCGGGAGCGGACCCTGGTGGCGGTGAAGCCC
GATGGCGTGCAACGGCGGCTCGTTGGGGACGTGATCCAGCGCTTTGAGAGGCGGGCTTCACGCTGGTG
GGGATGAAGATGCTGCAGGTCTGGGAAGGGTACAATGTCGTCGCCGCCTCGAGGGCCATGATTGGACAC
ACCGACTCGGCTGAGGCTGCCCCAGGAACCATAAGGGGTGACTTCAGCGTCCACATCAGCAGGAATGTC
ATCCACGCCAGCGACTCCGTGGAGGGGGCCAGCGGGAGATCCAGCTGTGGTTCCAGAGCAGTGAGCTG
GTGAGCTGGGCGAGACGGGGCCAGCACAGCAGCATCCACCCAGCC TGA
ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001286433

Insert Size: 462 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).

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_001286433.1](#)

RefSeq Size:	957 bp
RefSeq ORF:	462 bp
Locus ID:	4833
UniProt ID:	O00746
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Purine metabolism, Pyrimidine metabolism
MW:	16.8 kDa
Gene Summary:	<p>The nucleoside diphosphate (NDP) kinases (EC 2.7.4.6) are ubiquitous enzymes that catalyze transfer of gamma-phosphates, via a phosphohistidine intermediate, between nucleoside and dioxynucleoside tri- and diphosphates. The enzymes are products of the nm23 gene family, which includes NME4 (Milon et al., 1997 [PubMed 9099850]).[supplied by OMIM, May 2008]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.</p>