

Product datasheet for **SC333628**

NME4 (NM_001286438) Human Untagged Clone

Product data:

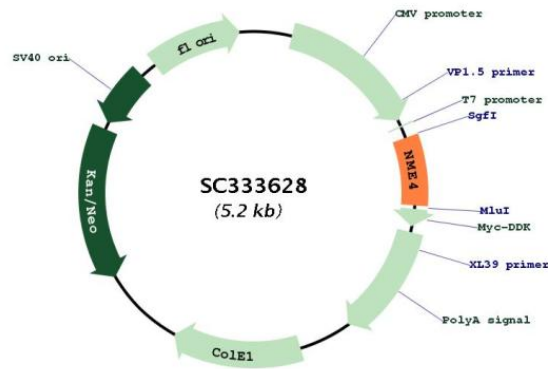
Product Type:	Expression Plasmids
Product Name:	NME4 (NM_001286438) Human Untagged Clone
Tag:	Tag Free
Symbol:	NME4
Synonyms:	NDPK-D; nm23-H4; NM23H4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333628 representing NM_001286438. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGATGCTGCAGGCACCAGAGAGCGTCCTTGCCGAGCACTACCAGGACCTGCGGAGGAAGCCCTTC
TACCCTGCCCTCATCCGCTACATGAGCTCTGGCCTGTGGTGGCCATGGTCTGGGAAGGGTACAATGTC
GTCCGCGCCTCGAGGGCCATGATTGGACACACCGACTCGGCTGAGGCTGCCCCAGGAACCATAAGGGGT
GACTTCAGCGTCCACATCAGCAGGAATGTCATCCACGCCAGCGACTCCGTGGAGGGGGCCAGCGGGGAG
ATCCAGCTGTGGTCCAGAGCAGTGAGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
CCAGCCTGA
ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001286438

Insert Size: 354 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_001286438.1](#)

RefSeq Size:	1237 bp
RefSeq ORF:	354 bp
Locus ID:	4833
UniProt ID:	<u>O00746</u>
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Purine metabolism, Pyrimidine metabolism
MW:	13 kDa

Gene Summary: 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]

Transcript Variant: This variant (5) contains an alternate exon and initiates translation at an alternate downstream start codon compared to variant 1. The resulting isoform (d) is shorter at the N-terminus compared to isoform a. Variants 4, 5, 6, and 7 all encode the same isoform (d).