

Product datasheet for **RG236098**

NME4 (NM_001286433) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NME4 (NM_001286433) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: NME4
Synonyms: NDPK-D; nm23-H4; NM23H4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236098 representing NM_001286433.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCGGCTCTTCTGGCGCTCCGCGCTGCGGGGCTGCGCTGCGGCCCGGGCCCGGGCCCGAGC
CTGCTAGTGCACCACGGCTCGGGAGGGCCCTCTGGACCCGGGAGCGGACCCTGGTGGCGGTGAAGCCC
GATGGCGTGCAACGGCGGCTCGTTGGGGACGTATCCAGCGCTTTGAGAGGCGGGCTTCACGCTGGTG
GGGATGAAGATGCTGCAGGTCTGGGAAGGTACAATGTCGTCGCCGCTCGAGGGCCATGATTGGACAC
ACCGACTCGGCTGAGGCTGCCCCAGGAACCATAAGGGGTGACTTCAGCGTCCACATCAGCAGGAATGTC
ATCCACGCCAGCGACTCCGTGGAGGGGGCCAGCGGGAGATCCAGCTGTGGTTCCAGAGCAGTGAGCTG
GTGAGCTGGGCAGACGGGGGCCAGCACAGCAGCATCCACCCAGCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236098
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MGGLFWSALRGLRCGPRAPGPSLLVRHSGGSPWTRERTLVAVKPDGVQRRLVGDVIQRFERRGFTLV
GMKMLQVWEGYNVVRASRAMIGHTDSAEAPGTIRGDFSVHISRNVIHASDSVEGAQREIQLWFQSEL
VSWADGGQHSSIHQA
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSDSHMHFSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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Restriction Sites: Sgfl-MluI



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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).
RefSeq:	NM_001286433.1 , NP_001273362.1
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:	17.2 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]