

## Product datasheet for **RG235733**

### NME4 (NM\_001286436) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** NME4 (NM\_001286436) 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:** >RG235733 representing NM\_001286436.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGATGCTGCAGGCACCAGAGAGCGTCCTTGCCGAGCACTACCAGGACCTGCGGAGGAAGCCCTTC
TACCCTGCCCTCATCCGCTACATGAGCTCTGGCCTGTGGTGGCCATGGTCTGGGAAGGGTACAATGTC
GTCCGCGCCTCGAGGGCCATGATTGGACACACCGACTCGGCTGAGGCTGCCCCAGGAACCATAAGGGGT
GACTTCAGCGTCCACATCAGCAGGAATGTCATCCACGCCAGCGACTCCGTGGAGGGGGCCAGCGGGAG
ATCCAGCTGTGGTCCAGAGCAGTGAGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
CCAGCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG235733  
Blue=ORF Red=Cloning site Green=Tag(s)

```
MKMLQAPESVLAEHYQDLRRKPFYPALIRYMSSGPVVMVWEGYNVVRASRAMIGHTDSAEAAPGTRG
DFSVHISRNVIHASDSVEGAQREIQLWFQSSSELVSWADGGQHSSIHPA
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** Sgfl-MluI



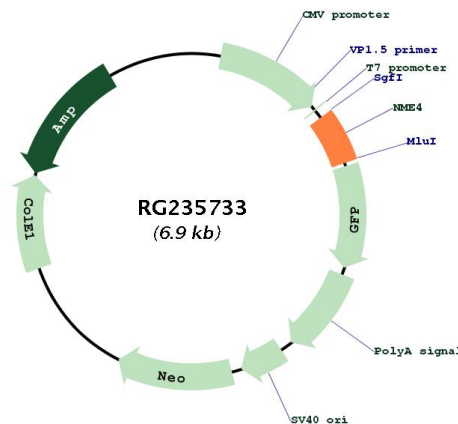
[View online »](#)

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN:

NM\_001286436

ORF Size:

351 bp

OTI Disclaimer:

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001286436.2</a>
<b>RefSeq Size:</b>	1262 bp
<b>RefSeq ORF:</b>	354 bp
<b>Locus ID:</b>	4833
<b>UniProt ID:</b>	<a href="#">O00746</a>
<b>Cytogenetics:</b>	16p13.3
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Metabolic pathways, Purine metabolism, Pyrimidine metabolism
<b>MW:</b>	13.4 kDa
<b>Gene Summary:</b>	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]