

# Product datasheet for MG201404

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OriGene Technologies, Inc.

## Nme3 (NM 019730) Mouse Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** Nme3 (NM\_019730) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: Nme3

**Synonyms:** 1810009F08Rik; Al413736; DR-nm23; Ndk3; Nm23-DR; Nm23-M3

Mammalian Cell Neomycin

Selection:

**Vector:** pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >MG201404 representing NM\_019730

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

GACATTGGCTATATGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG201404 representing NM\_019730

Red=Cloning site Green=Tags(s)

MICLVLTIFANLFPSAYSGVNERTFLAVKPDGVQRRLVGEIVRRFERKGFKLVALKLVQASEELLREHYV ELREKPFYSRLVKYMSSGPVVAMVWQGLDVVHASRALIGATDPGDAMPGTIRGDFCMEVGKNVIHGSDSV

ESAHREIALWFREAELLCWEDSAGHWLYE

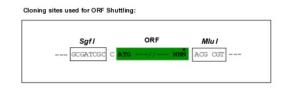
TRTRPLE - GFP Tag - V

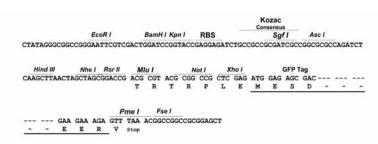
**Restriction Sites:** Sgfl-Mlul



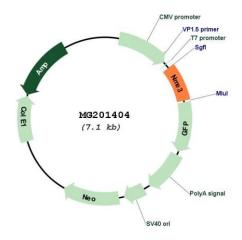


### **Cloning Scheme:**





### Plasmid Map:



**ACCN:** NM\_019730

ORF Size: 507 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

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.



**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:** <u>NM 019730.2</u>

 RefSeq Size:
 708 bp

 RefSeq ORF:
 510 bp

 Locus ID:
 79059

 UniProt ID:
 Q9WV85

 Cytogenetics:
 17 A3.3

**Gene Summary:** Major role in the synthesis of nucleoside triphosphates other than ATP. The ATP gamma

phosphate is transferred to the NDP beta phosphate via a ping-pong mechanism, using a phosphorylated active-site intermediate. Probably has a role in normal hematopoiesis by

inhibition of granulocyte differentiation and induction of apoptosis (By similarity).

[UniProtKB/Swiss-Prot Function]