

Product datasheet for **MG201404**

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; AI413736; DR-nm23; Ndk3; Nm23-DR; Nm23-M3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201404 representing NM_019730
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCTGTCTGGTGCTGACCATCTTTGCTAACCTCTTCCCTCAGCCTACAGCGGCGTGAACGAGCGCA
CGTTCTTGGCAGTGAAGCCCGACGGCGTGCAGCGCGGCTGGTGGGCGAGATCGTGCCTCGCTTTGAGAG
GAAGGGCTTCAAGCTGGTGGCACTGAAGCTAGTGCAGGCCCTCGAAGAGCTACTGCGGGAGCATTATGTC
GAGCTGCGCGAGAAACCCTTCTACAGCCGACTGGTTAAATACATGAGTTCTGGCCCGTGGTGGCCATGG
TGTGGCAAGGGCTGGATGTCGTGCATGCTTCGCGAGCCCTCATAGGGCCACTGACCCAGGGGACGCCAT
GCCCGGTACGATCCGTGGGATTCTGCATGGAGGTTGGCAAGAATGTAATTCATGGCAGCGACTCGGTG
GAAAGTGCTCACAGAGAAATCGCTCTTTGGTTCGTGAGGCCGAGCTTCTGTGCTGGGAGGACAGCGCCG
GACATTGGCTATATGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201404 representing NM_019730
Red=Cloning site Green=Tags(s)

MICLVLTIFANLFPAYSQVNERFLAVKPDGVQRRLVGEIVRRFERKGFKLVALKLVQASEELLREHYV
ELREKPFYSRLVKYMSSGPVVMVWQGLDVVHASRALIGATDPGDAMPGTIRGDFCMEVGNVIHGSQV
ESAHREIALWFREAELLCWEDSAGHWLYE

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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:	<ol style="list-style-type: none">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:	<u>Q9WV85</u>
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]