

Product datasheet for **RG200541**

NME6 (NM_005793) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NME6 (NM_005793) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: NME6
Synonyms: IPIA-ALPHA; NDK 6; NM23-H6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG200541 representing NM_005793
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCCAGAATCTGGGGAGTGAGATGGCCTCAATCTTGCGAAGCCCTCAGGCTCTCCAGCTCACTCTAG
CCCTGATCAAGCCTGACGCAGTCGCCATCCACTGATTCTGGAGGCTGTTTCATCAGCAGATTCTAAGCAA
CAAGTTCCTGATTGTACGAATGAGAGAACTACTGTGGAGAAAGGAAGATTGCCAGAGTTTTACCGAGAG
CATGAAGGGCGTTTTTTCTATCAGAGGCTGGTGGAGTTTCATGGCCAGCGGCCAATCCGAGCCTACATCC
TTGCCACAAGGATGCCATCCAGCTCTGGAGGACGCTCATGGGACCCACCAGAGTGTCCGAGCAGGCCA
TGTGGCCCAGATTCTATCCGTGGGAGTTTCGGCCTCACTGACACCCGCAACACCACCATGGTTCCGGAC
TCTGTGGTTTCAGCCAGCAGAGAGATTGACGCCTTCTCCCTGACTTCAGTGAACAGCGCTGGTATGAGG
AGGAAGAGCCCCAGTTGCGCTGTGGCCCTGTGTGCTATAGCCCAGAGGGAGGTGTCCACTATGTAGCTGG
AACAGGAGGCCTAGGACCAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200541 representing NM_005793
Red=Cloning site Green=Tags(s)

MTQNLGSEMASILRSPQALQLTLALIKPDAVAHPLILEAVHQIILSNKFLIVRMRELLWRKEDCQRFYRE
HEGRFFYQRLVEFMASGPIRAYILAHKDAIQLWRTLMPTRVFRARHVAPDSIRGSFGLTDTRNTTHGSD
SVVSASREIAAFFPDFSEQRWYEEEEPQLRCGPVCYSPEGGVHYVAGTGGLGPA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_005793

ORF Size: 582 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: [NM_005793.4](#)

RefSeq Size: 1189 bp

RefSeq ORF: 585 bp

Locus ID: 10201

UniProt ID: [O75414](#)

Cytogenetics: 3p21.31

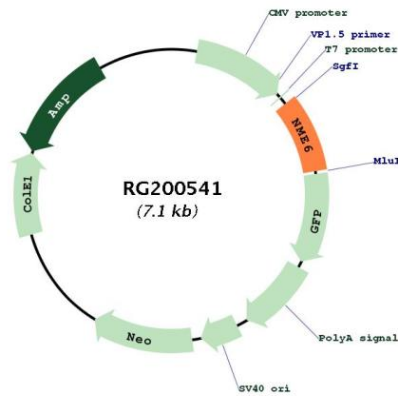
Domains: NDK

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Purine metabolism, Pyrimidine metabolism

Gene Summary: Nucleoside diphosphate (NDP) kinases (EC 2.7.4.6), such as NME6, are ubiquitous enzymes that catalyze transfer of gamma-phosphates, via a phosphohistidine intermediate, between nucleoside and dioxynucleoside tri- and diphosphates (Mehus et al., 1999 [PubMed 10453732]).[supplied by OMIM, Jul 2010]

Product images:



Circular map for RG200541