

Product datasheet for RC214064L3

OriGene Technologies, Inc.

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Nucleoside Diphosphate Kinase 7 (NME7) (NM_013330) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Nucleoside Diphosphate Kinase 7 (NME7) (NM_013330) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Nucleoside Diphosphate Kinase 7

Synonyms: CFAP67; MN23H7; NDK 7; NDK7; nm23-H7

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

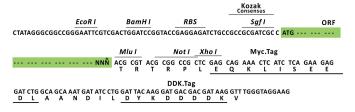
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC214064).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



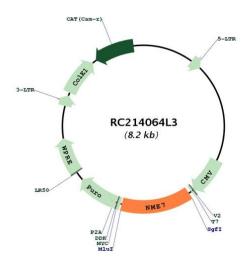


^{*} The last codon before the Stop codon of the ORF.





Plasmid Map:



ACCN: NM_013330 **ORF Size:** 1128 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 013330.3</u>

RefSeq Size: 1646 bp RefSeq ORF: 1131 bp



Nucleoside Diphosphate Kinase 7 (NME7) (NM_013330) Human Tagged Lenti ORF Clone - RC214064L3

 Locus ID:
 29922

 UniProt ID:
 Q9Y5B8

 Cytogenetics:
 1q24.2

Domains: NDK, DM10

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Purine metabolism, Pyrimidine metabolism

MW: 42.3 kDa

Gene Summary: This gene encodes a member of the non-metastatic expressed family of nucleoside

diphosphate kinases. Members of this family are enzymes that catalyzes phosphate transfer from nucleoside triphosphates to nucleoside diphosphates. This protein contains two kinase domains, one of which is involved in autophosphorylation and the other may be inactive. This protein localizes to the centrosome and functions as a component of the gamma-tubulin ring complex which plays a role in microtubule organization. Mutations in this gene may be associated with venous thromboembolism. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]