

Product datasheet for RC207616L1

OriGene Technologies, Inc.

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NFkB Inducing Kinase NIK (MAP3K14) (NM_003954) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: NFkB Inducing Kinase NIK (MAP3K14) (NM_003954) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: NFkB Inducing Kinase NIK

Synonyms: FTDCR1B; HS; HSNIK; NIK

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide

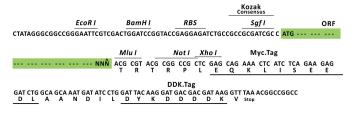
The ORF insert of this clone is exactly the same as(RC207616).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_003954

ORF Size: 2841 bp



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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 003954.1</u>

 RefSeq Size:
 4596 bp

 RefSeq ORF:
 2844 bp

 Locus ID:
 9020

 UniProt ID:
 Q99558

Cytogenetics: 17q21.31

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Apoptosis, Epithelial cell signaling in Helicobacter pylori infection, MAPK signaling pathway, T

cell receptor signaling pathway

MW: 103.9 kDa

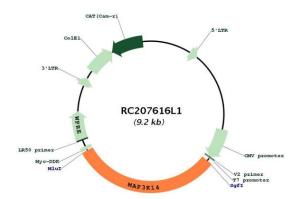
Gene Summary: This gene encodes mitogen-activated protein kinase kinase kinase 14, which is a

serine/threonine protein-kinase. This kinase binds to TRAF2 and stimulates NF-kappaB activity. It shares sequence similarity with several other MAPKK kinases. It participates in an NF-kappaB-inducing signalling cascade common to receptors of the tumour-necrosis/nervegrowth factor (TNF/NGF) family and to the interleukin-1 type-I receptor. [provided by RefSeq,

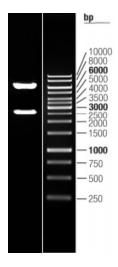
Jul 2008]



Product images:



Circular map for RC207616L1



Double digestion of RC207616L1 using Sgfl and Mlul $\,$