

## Product datasheet for RC212817

### NKF3 kinase family member (PEAK1) (NM\_024776) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NKF3 kinase family member (PEAK1) (NM_024776) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NKF3 kinase family member
Synonyms:	SGK269
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212817 representing NM_024776 Red=Cloning site Blue=ORF Green=Tags(s)

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ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC212817 representing NM\_024776  
Red=Cloning site Green=Tags(s)

MSACNTFTEHVWKPGECKNCFKPKSLHQLPPDPEKAPITHGNVKTANHSNNHRIRNTGNFRPPVAKKPT  
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CPSLVQRNTLLQNWLDIKRLLMIKFAEKSLDREGGISLEDWLCAYLAFATTDLSLSCIVKILQHR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mg2914\\_d02.zip](https://cdn.origene.com/chromatograms/mg2914_d02.zip)

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



- ACCN:** NM\_024776
- ORF Size:** 5238 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\\_024776.4](#)

**RefSeq Size:** 11576 bp

**RefSeq ORF:** 5241 bp

**Locus ID:** 79834

**UniProt ID:** [Q9H792](#)

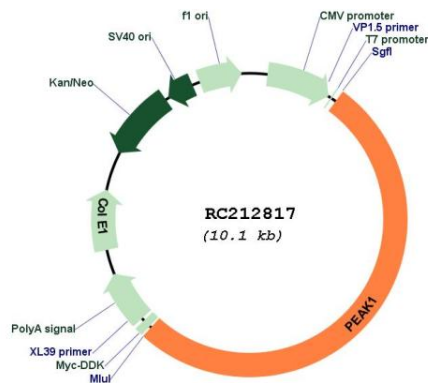
**Cytogenetics:** 15q24.3

**Protein Families:** Druggable Genome, Protein Kinase

**MW:** 192.9 kDa

**Gene Summary:** This gene encodes a non-receptor tyrosine kinase that is a member of the new kinase family three (NFK3) family. In migrating cells, the encoded protein is associated with the actin cytoskeleton and focal adhesions and promotes developing focal adhesion elongation. This protein may play a role in the regulation of cell migration, proliferation and cancer metastasis. [provided by RefSeq, Mar 2014]

## Product images:



Circular map for RC212817