

## Product datasheet for **SC316294**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NKF3 kinase family member (PEAK1) (NM_024776) Human Untagged Clone
Tag:	Tag Free
Symbol:	PEAK1
Synonyms:	SGK269
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_024776, the custom clone sequence may differ by one or more nucleotides

```

ATGTCTGCTTGTAAACACCTTTACTGAACATGTTTGGAAACCTGGTGAATGCAAGAATTGC
TTTAAACCTAAAAGTTTGCACCAGCTTCCCCAGACCCTGAGAAGGCACCCATCACCCAT
GGCAATGTGAAAATAATGCCAATCACAGTAACAACCACCGCATCAGGAACACGGGCAAT
TTCCGGCCTCCTGTGGCTAAAAAACCCACTATAGCTGTGAAGCCCACTATGATAGTGGA
GATGGGCAAAGTATATGTGGTGAGCTTAGCATCCAAGAACACTGTGAGAACAACCTGTC
ATCATAGGGTGGAAACCGAAACAGAGCTGCCTTGAGTCAGAAACCACTTAACAATAATAAT
GAAGATGATGAAGGAATTAGCCATGTTCCCTAAGCCTTATGGCAATAATGATAGTGCAAG
AAGATGTCAGATAACAATAATGGACTAACTGAAGTGTTAAAGGAGATAGCAGGCTTGAT
ACTGCCCTCAGATAAGAGGAAATGAAACAAAACCCAGAGAAACATTTCTGGGAAGAATA
AATGATTGCTATAAACGATCATTGGAAAGAAAGCTTCCACCAAGTTGCATGATAGGTGGG
ATAAAGGAAAACCTCAGGGCAAGCATGTTATTCTGAGTGGGAGCACAGAAAGTATTAGTAAT
GAAGGGGGCCGGTTCTGTTACCCAGAGTTTTCCAGTGGCAGGAGAGTGAAGAGGATGTA
CTTTTCAGTAACATGGAGGAGGACGAGAGTTGGGATGAGAGTGAAGAGCTGTTG
GCCATGGAGATTCGCATGAGAGGGCAACCTCGCTTTGCCAACTTCAGAGCAAACACATTG
TCTCCTGTTTCGATTCTTTGTGGACAAAAAATGGAATACCATCCCCCTGCGAAACAAGTCT
CTGCAGAGAATCTGTGCTGTGGACTATGATGACAGCTATGATGAAATCCTGAATGGTTAT
GAGGAAAATTCTGTGGTCTCTTATGGACAAGGAAGCATTGAGAGCATGGTGTCTGATGAC
TCCACATCACCAGATTCTTTTAAACAGAAGAATCACGTTCTGAGACAGCCAGTAGTTTA
TCCCAGAAGATTTGTAATGGGGGATTATCTCCTGGTAACCCAGGAGATTCTAAGGACATG
AAGGAAATTGAGCCCAATTATGAAAGTCCCTCTAGTAATAATCAGGATAAAGATTATCA
CAGGCTTCCAAAAGCTCAATAAAAGTCCAGAGACCCACAAGCAGTCCCTGCTCTCCGA
TTAGAAGAGAAAAGATGGCAAGATTGCTGTACAACTGAGAAGGAAAGTAAAGCCTCT
ACAGATGTTGCTGGGCAAGCAGTAACCATAAACCTTGTCCCACAGAAGCAAGCAAAA
CCTTACCGAGTTGTGAACCTGGAACAGCCATTGTGCAAGCCATATACTGTCGTGGATGTG
TCAGCAGCCATGGCCAGTGAGCACCTCGAGGGCCCTGTTAACAGCCCAAGACAAAAGC
TCATCCTCTACTCCAACTCTCCAGTTACATCATCTTATTGACACCAGGACAAAATAAGT
GCCCATTTCCAAAATCCAGTGAATTCGATACCAAGAAGTATGGACTTCTAGCACCAGT
CCACGACAAAAGATACCTAAAGTAGAATAATTACTAGTGGAACTGGACCAAAATGTTCTC
CCAAGGAAAAACTGTCACAAATCAGCACCTACATCACCCACAGCTACAAACATTTCTCC

```



[View online »](#)

```

AAAACCATCCCTGTTAAGTCACCTAATTTGTCTGAAATTAATTTAATAGTTATAACAAT
GCTGGTATGCCACCTTTTCCAATTATCATTATGACGAGCCAACCTATGCTCGGAGTTCC
AAAAATGCTATCAAAGTTCCCATTTGTTATCAATCCAAATGCATATGACAACTAGCTATC
TACAAAAGTTTTCTGGGAACAAGTGGAGAAGTCTCAGTGAAGGAAAAACCACAAGTGTA
ATAAGCCATACTTATGAAGAAATAGAAAACAGAAAGCAAAGTGCCTGATAACACCACTAGC
AAAACCACTGACTGTCTTCAAACCTAAAGGGTTTTCAAACAGCACAGAGCATAAAAGGGGC
TCAGTGGCTCAGAAGGTTCAAGAGTTTAAACAACCTGTCTCAACAGAGGTCAGTCTTCACCA
CAGAGAAGCTATAGTTCAGCCACAGCTCCCCAGCAAAGATCCAGAGAGCCACTCAAGAG
CCTGTGGCCAAAAATAGAAGGCACTCAGGAGTCTCAGATGGTGGGAGCAGCAGCACCAGA
GAGAAAGCAAGCACAGTCTTTCTCAGATTGTGGCTTCAATCCAACCCCAACAGTCTCCT
CCAGAAACACCTCAATCTGGCCCTAAAGCTTGCAGTGTGGAAGAGCTTTATGCCATTCTC
CCAGATGCTGATGTTGCTAAGAGCACACCTAAGAGTACGCCAGTCCGGCCCAAATCTCTC
TTTACATCTCAGCCTAGTGGTGAAGGCTGAAGCACCTCAGACCACAGACAGTCTACCACC
AAAGTACAGAAAGACCCATCCATAAAGCCAGTCAACCCCTCTCCCTCAAATTAGTGACT
AGCCCCAAAGTGAGCCACCAGTCCCTTTCCCCGCGCAGCTCTACTTCTTCTCCTTAC
CATGCAGGTAACCTTTTGCAGAGGCATTTCAACCACTGGACCAAGCCAACAGCCCTACC
AGGTCAACAGAAGCTGAATCAGTTTTGCACTCTGAAGGCAGCAGGCGGGCAGCTGATGCA
AAACCTAAGCGCTGGATATCATTAAAAGCTTCTTCCGCCGTCGAAAACAGATGAGGAG
GATGACAAAGAGAAAGAGCGAGAGAAAGGGAAACTGGTGGGCCTGGATGGCACAGTCATT
CACATGCTGCCTCCTCCTCCAGTTCAGCGCCATCACTGGTTCACAGAGGGCAAAGGAGAG
TCCAGTGAGAAACCAGCCATTGTCTTACGTACAGGTGCGACCCCTGCTCAAGGCCAGTCA
AGTGTGGATCAGAGCAAGGCTAGGACAGACCAGGCAGCAGTCATGGAGAAGGGTAGAGCA
GAGAATGCATTACTACAGGACTCAGAGAAGAAGAGGAGTCATTTCTCCATCACAGATT
CCTAAAAAGATTCTCAGTCACATGACCCATGAAGTAACAGAGGATTTTTCTCCTCGGGAT
CCAAGAAGTGTGTTGGGAAGCAAGATGGCAGGGGCTGCCTTCACTCACAACAGCATTG
TCCCTACCTGAACTGAAAGGGAAGATGGAAAAGAAGACATTTAGATCCTATGGACCCG
AACCTTTGAGTGAACATACAGCAACTTAGGGCAATCTAGAGCAGCCATGATACCTCCC
AAGCAGCCACGACAGCCAAAGGGAGCTGTGGACGATGCCATCGCCTTTGGAGGGAAAAACA
GACCAAGAAGCACCAATGCTTCCCAACCTACACCACCCCACTGCCAAAGAAGATGATC
ATAAGAGCCAATACAGAGCCAATCTCAAGGACCTCAAAAAATCCATGAAAAGTAGTCTT
TGTGTCATGGCTAATCCACCTATGATATCGACCCCAACTGGGATGCCAGCAGTGTGGT
TCTTCCATCAGCTATGAACTCAAAGGACTGGACATTGAGTCTTATGACTCCTTGGAAAGG
CCTTTGGCAAGGAGAGACCTGTCCCCTCAGCAGCAAACAGCATTTCAGCTTAACCACT
CTCAGTATTAAGGATAGATTTTCCAACAGCATGGAATCCCTCTCCAGCCGGCGTGGGCC
TCTTGCAGACAGGGCCGAGGCATCCAGAAGCCGCAGAGACAAGCACTTTATCGAGGACTT
GAGAATCGGGAGGAAGTAGTGGTAAAAATCCGAAGCCTTCATACAGATGCCTTGAAGAAA
CTGGCTGTTAAATGCGAAGACCTTTTATGGCTGGGCAGAAAGACCAGTCCGTTTTGGA
GTGGACAGCTGGTCAGACTTACAGGTAACCAAGTACAAACCATGTTGTGAGGCAGGTGAT
GCGGTTTACTATACTGCTTCATATGCAAAAGATCCACTTAATAACTATGCAGTCAAGATC
TGTAAGAGCAAAGCTAAAGAATCTCAGCAGTATTATCACAGCTTGCTGTCCGGCAGAGT
CTGGCTGTCCATTTTAAACATTCAGCAGGACTGTGGTCATTTCTTGTGTAAGTCCCTAAC
CGTCTGCTTCCCTGGGAGGATCCAGATGACCCTGAAAAGGATGAGGATGACATGGAAGAG
ACTGAAGAAGACGCCAAAGGAGAAACGGATGGGAAAAACCCAAAGCCCTGTTCTGAAGCA
GCATCATCCAGAAAGAGAATCAGGGAGTCATGAGCAAGAAGCAGAGGAGCCACGTTGTG
GTCATCACCAGGGAGGTTCCATGTCTTACTGTGGCTGATTTTGTGCGAGACTCTCTGGCC
CAGCATGGGAAAAGCCCTGATTTGTATGAGAGGCAGGTGTGTCTGCTGCTTACAGCTA
TGCTCTGGTCTTGAGCACCTCAAACCTACCATGTCACCTCACTGCGATCTACGCCTAGAG
AACCTGCTACTTGTCCACTACCAGCCTGGGGGACTGCCAAGGCTTTGGGCCTGCAGAG
CCCAGCCCCACCTCATCTTATCCCACTAGGCTTATAGTGAGCAACTTCTCTCAGGCCAAG
CAGAAGAGCCATCTGGTGGACCCCGAGATCCTCCGGGACCAGTCTCGCCTTGCCCCAGAG
ATCATAACAGCTACCCAGTATAAAAAGTGTGATGAGTTCCAGACAGGCATCCTCATCTAT
GAGATGCTGCACCTACCAACCCCTTTGATGAGAACCCAGAGCTGAAGGAGAGGGGAATAC

```

```
ACACGAGCAGACCTGCCTCGCATCCCATTCCGCTCCCCCTACTCCCAGGGTCTGCAGCAG
CTGGCCAGCTGCCTCCTGAATCCCAACCCTTCTGAGCGGATCCTCATTTTCAGACGCCAAA
GGCATCCTCCAGTGTCTGCTCTGGGGCCCCCGGAAGATCTTCCAGACTTTCACCGCC
TGCCCTAGCCTAGTACAGAGGAACACCCTGCTCCAAAAGTGGCTAGACATCAAGCGAACA
CTGCTCATGATCAAGTTTGCTGAGAAGTCCCTGGACAGGAAGGTGGAATCAGCCTTGAG
GACTGGCTTTGTGCTCAGTATTTGGCTTTTGCCACTACAGACTCCCTCAGTTGTATTGTG
AAAATTCTGCAGCACCGT
```

<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_024776
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_024776.2</a></u> , <u><a href="#">NP_079052.2</a></u>
<b>RefSeq Size:</b>	11576 bp
<b>RefSeq ORF:</b>	5241 bp
<b>Locus ID:</b>	79834
<b>UniProt ID:</b>	<u><a href="#">Q9H792</a></u>
<b>Cytogenetics:</b>	15q24.3
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>Gene Summary:</b>	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]