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Product datasheet for SC111921

NKF3 kinase family member (PEAK1) (AB082533) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NKF3 kinase family member (PEAK1) (AB082533) Human Untagged Clone
Tag:	Tag Free
Symbol:	NKF3 kinase family member
Synonyms:	SGK269
Mammalian Cell Selection:	None
Vector:	pCMV6-XL6
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene ORF sequence for AB082533 edited
TGAGAAACCAGCCATTGTCTTCATGTACAGGTGCGACCCTGCTCAAGGCCAGCTCAGTGT
GGATCAGAGCAAGGCTAGGACAGACCAGGCAGCAGTCATGGAGAAGGGTAGAGCAGAGAA
TGCATTACTACAGGACTCAGAGAAGAAGAGGAGTCATTCTTCTCCATCACAGATTCCTAA
AAAGATTCTCAGTCACATGACCCATGAAGTAACAGAGGATTTTTCTCCTCGGGATCCAAG
AACTGTTGTTGGGAAGCAAGATGGCAAGGGCTGCACTTCAGTCACAACAGCATTGTCCCT
ACCTGAACTGGAAAGGGAAGATGGAAAAGAAGACATTTCAGATCCTATGGACCCGAACCC
TTGTAGTGCAACATACAGCAACTTAGGGCAATCTAGAGCAGCCATGATACCTCCCAAGCA
GCCACGACAGCCCAAGGGAGCTGTGGACGATGCCATCGCCTTTGGAGGGAAAACAGACCA
AGAAGCACCCAATGCTTCCCAACCTACACCACCCCCACTGCCAAAGAAGATGATCATAAG
AGCCAATACAGAGCCAATCTCCAAGGACCTCCAAAAATCCATGGAAAGTAGTCTTTGTGT
CATGGCTAATCCCACCTATGATATCGACCCCAACTGGGATGCCAGCAGTGCTGGTTCTTC
CATCAGCTATGAACTCAAAGGACTGGACATTGAGTCTTATGACTCCTTGGAAAGGCCTTT
GCGCAAGGAGAGACCTGTCCCCTCAGCAGCAAACAGCATTTCCAGCTTAACCACTCTCAG
TATTAAGGATAGATTTTCCAACAGCATGGAATCCCTCTCCAGCCGGCGTGGGCCCTCTTG
CAGACAGGGCCGAGGCATCCAGAAGCCGCAGAGACAAGCACTTTATCGAGGACTTGAGAA
TCGGGAGGAAGTAGTGGGTAAAATCCGAAGCCTTCATACAGATGCCTTGAAGAAACTGGC
TGTTAAATGCGAAGACCTTTTCATGGCTGGGCAGAAAGACCAGCTCCGTTTTGGAGTGGA
CAGCTGGTCAGACTTCAGGCTAACCAGTGACAAACCATGTTGTGAGGCAGGTGATGCGGT
TTACTATACTGCTTCATATGCAAAAGATCCACTTAATAACTATGCAGTCAAGATCTGTAA
GAGCAAAGCTAAAGAATCTCAGCAGTATTATCACAGCTTGGCTGTCCGGCAGAGTCTGGC
TGTCCATTTTAACATTCAGCAGGACTGTGGTCATTTCCTTGCTGAAGTCCCTAACCGTCT
GCTTCCCTGGGAGGATCCAGATGACCCTGAAAAGGATGAGGATGACATGGAAGAGACTGA
AGAAGACGCCAAAGGAGAAACGGATGGGAAAAACCCAAAGCCCTGTTCTGAAGCAGCATC
ATCCCAGAAAGAGAATCAGGGAGTCATGAGCAAGAAGCAGAGGAGCCACGTTGTGGTCAT
CACCAGGGAGGTTCCATGTCTTACTGTGGCTGATTTTGTGCGAGACTCTCTGGCCCAGCA
TGGGAAAAGCCCTGATTTGTATGAGAGGCAGGTGTGTCTGCTGCTCTTACAGCTATGCTC
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GCTACTTGTCCACTACCAGCCTGGGGGGACTGCCCAAGGCTTTGGGCCTGCAGAGCCCAG
CCCCACCTCATCTTATCCCACTAGGCTTATAGTGAGCAACTTCTCTCAGGCCAAGCAGAA
GAGCCATCTGGTGGACCCCGAGATCCTCCGGGACCAGTCTCGCCTTGCCCCAGAGATCAT
AACAGCTACCCAGTATAAAAAGTGTGATGAGTTCCAGACAGGCATCCTCATCTATGAGAT
GCTGCACCTACCCAACCCCTTTGATGAGAACCCAGAGCTGAAGGAGAGGGAATACACACG
AGCAGACCTGCCTCGCATCCCATTCCGCTCCCCCTACTCCCGGGGTCTGCAGCAGCTGGC
CAGCTGCCTCCTGAATCCCAACCCTTCTGAGCGGATCCTCATTTCAGACGCCAAAGGCAT
CCTCCAGTGTCTGCTCTGGGGCCCCCGCGAAGATCTCTTCCAGACTTTCACCGCCTGCCC
TAGCCTAGTACAGAGGAACACCCTGCTCCAAAACTGGCTAGACATCAAGCGAACACTGCT
CATGATCAAGTTTGCTGAGAAGTCCCTGGACAGGGAAGGTGGAATCAGCCTTGAGGACTG
GCTTTGTGCTCAGTATTTGGCTTTTGCCACTACAGACTCCCTCAGTTGTATTGTGAAAAT
TCTGCAGCACCGTTAA

5' Read Nucleotide Sequence:

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>OriGene 5' read for AB082533 unedited
GGGGGGNGNGGGGGAANNNNTNNNTTTTNNNNNNNGTCTTACCCCCGCCCGTTGNCGCAA
AGGGCGGTAGGCGTGTACGGTGGGNAGTCTATATAAGCAGNACTCATTTAGGTGACACTA
TAGAATACAAGCTACTTGTTCTTTTTGCAGCGGCCGCGAATTCGGCACGAGGTCCAGTTC
AGCGCCATCACTGGTTCACAGAGGCGAAAGGAGAGTCCAGTGAGAAACCAGCCATTGTCT
TCATGTACAGGTGCGACCCTGCTCAAGGCCAGCTCAGTGTGGATCAGAGCAAGGCTAGGA
CAGACCAGGCAGCAGTCATGGAGAAGGGTAGAGCAGAGAATGCATTACTACAGGACTCAG
AGAAGAAGAGGAGTCATTCTTCTCCATCACAGATTCCTAAAAAGATTCTCAGTCACATGA
CCCATGAAGTAACAGAGGATTTTTCTCCTCGGGATCCAAGAACTGTTGTTGGGAAGCAAG
ATGGCAAGGGCTGCACTTCAGTCACAACAGCATTGTCCCTACCTGAACTGGAAAGGGAAG
ATGGAAAAGAAGACATTTCAGATCCTATGGACCCGAACCCTTGTAGTGCAACATACAGCA
ACTTAGGGCAATCTAGAGCAGCCATGATACCTCCCAAGCAGCCACGACAGCCCAAGGGAG
CTGTGGACGATGCCATCGCCTTTGGAGGGAAAACAGACCAAGAAGCACCCAATGCTTCCC
AACCTACACCACCCNCACTGCCAAAGAAGATGATCATAAGAGCCAATACAGAGCCAATCT
CCAAGGACCTCCAAAAACCATGGAAAGTAGTCTTTGTGTCATGGCTAATCCCACCTATGA
TATCGACCCCCACTGGGATGCCAGCAGTGCTGGTTCTTCCATCAGCTATGAACTCANAGG
ACTGGACATTGAGTCTTATGACTCCTGGNNAAGGNCCTTG
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Restriction Sites: NotI-NotI

ACCN: AB082533

OTI Disclaimer: 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).

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: AB082533.1, BAC02711.1

RefSeq Size: 8282 bp

RefSeq ORF: 8282 bp

Locus ID: 79834

Cytogenetics: 15q24.3

Domains: pkinase, S_TKc

Protein Families: Druggable Genome, Protein Kinase

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]