

## Product datasheet for **SC210221**

### PAK4 (NM\_001014834) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	PAK4 (NM_001014834) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PAK4
ACCN:	NM_001014834
Insert Size:	2000 bp



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**Insert Sequence:** >SC210221 3'UTR clone of NM\_001014834  
 The sequence shown below is from the reference sequence of NM\_001014834. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCCCTCATGCGCCAGAACCAGCAGAGATGAGGCCAGCGCCCTCCCTCAACCAAGAGCCCCCGGG
TACCCCCGCCCCACTGAGGCCAGTAGGGGGCCAGGCCTCCACTCCTCCAGCCCGGAGATGCTCCG
CGTGGCACCACCCTCCTTGTGGGGTAGATGAGACCCTACTACTGAACTCCAGTTTTGATCTCGTGAC
TTTTAGAAAAACACAGGGACTCGTGGGAGCAAGCGAGGCTCCCAGGACCCCCACCCTCTGGGACAGGCC
CTCCCCATGTTCTTCTGTCTCCAGGAAGGGCAGCGGCCCTCCCATCACTGGAAGTCTGCAGTGGGGGT
CGTGGGGGTGGAGAGAACTAAGAGGTGAACATGTATGAGTGTGTGCACGCGTGTGAGTGTGCATGT
GTGTGTGTGCAAAGTCCAGCCACCCCGTCTCCAGCCTGCAAGGGGTGTCTGGCGCCTTGCTGACAC
CCAGCCCCCTCTCCCCCTGAGCCATTGTGGGGTGCATCATGAATGTCCGAAGAGTGGCCTTTCCCGT
AGCCCTGCGCCCCCTTTCTGTGGCTGGATGGGGAGACAGGTGAGGCCCCCCACCCTCTCCAGCCCCTG
CAGCAAATGACTACTGCACCTGGACAGCCTCCTCTTTCTAGAAGTCTATTTATATTGTCATTTTATAA
CACTCTAGCCCCCTGCCCTTATTGGGGGACAGATGGTCCCTGTCCTGCGGGGTGGCCCTGGCAGAACCAC
TGCTTGAAGAACCAGGTTCTGCCCGGTGAGCGCAGCCCCAGCCCCACCCCTGCCTCGAGTTAGTT
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CCCAGAATGGGGCAGGATTGTCCCCACCCTGGAAGCAGCCAGTTGCCACAGTCCATGTGCAGACTGA
TCCCAGTTTGCCAAATCTGCAATTTCTGGAACCTTTTAAAGGCTGTCTTGAGCGCGTTTTGGTGAGTAG
GAGCTAACCCAAGTTAGTAAATTGAAGGCCATTTGGCAAATTGGTCAGTGGGCAGATGGGCTTTTGGGG
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GCAGGAGCCAGAGCCGAGCCACGCTGGGGGGAATCTGACTGGCATGGAGGTGGCCATGCCACCATCG
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GCCCCAGGGAGGCAGTGGAGTGGGAGAGAGCCAGGAGTGAAGTCCGTCGCCAAAGCCAGCCAGGCG
TCATCAGCACCAGAGACCTCAGCCTGGTCTCTCGGGAAGTGAAGTGGCCAGGGCAGAGATTCCAGGTTA
GTCCACGCTCCCACCCTCACAGTCTGACCCCAAGAATCAGAGCACTGTGTGTGTGGCAGGGCCTA
TGCCAAGTGCAAACACAGCCTAGATGGATCATCACAGAGTGAAACCCAGCGGTGCAAGCAGCTGTGCTC
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AAAAGAAGAAATAGAAAACAAGACCAAAATAACTGTCTCCTCACTGCACACACTCCAGAATAAATAA
AAGGTTTCAGGCTTGAATGCACTTTCAAATGAGATTTTTTTTTTTTTTTTGGAGACGGAGTATCGCTCTG
TCGCCCAGGCTGGAGTGCAGTGGCACGATCTTGGCTCACTGCAACTTCTGCCTCTGGGTTCAAGCGA
AGCGGACCGACTTACGCGTAAGCGGCCCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCC
CAACCTGCCATCACGAGATTTGATTCCACCGCCG
  
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**Restriction Sites:** SgfI-RsrII

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_001014834.3](#)

**Summary:**

PAK proteins, a family of serine/threonine p21-activating kinases, include PAK1, PAK2, PAK3 and PAK4. PAK proteins are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. They serve as targets for the small GTP binding proteins Cdc42 and Rac and have been implicated in a wide range of biological activities. PAK4 interacts specifically with the GTP-bound form of Cdc42Hs and weakly activates the JNK family of MAP kinases. PAK4 is a mediator of filopodia formation and may play a role in the reorganization of the actin cytoskeleton. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

**Locus ID:**

10298

**MW:**

72.3