

Product datasheet for **SC210225**

PAK4 (NM_001014831) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PAK4 (NM_001014831) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PAK4
ACCN:	NM_001014831
Insert Size:	2000 bp



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Insert Sequence: >SC210225 3'UTR clone of NM_001014831
The sequence shown below is from the reference sequence of NM_001014831. 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
TACCCCCGCCCCACTGAGGCCAGTAGGGGGCCAGGCCTCCACTCCTCCAGCCGGGAGATGCTCCG
CGTGGCACCACCCTCCTTGTGGGGTAGATGAGACCCTACTACTGAACTCCAGTTTTGATCTCGTGAC
TTTTAGAAAAACACAGGGACTCGTGGGAGCAAGCGAGGCTCCCAGGACCCCCACCCTCTGGGACAGGCC
CTCCCCATGTTCTTCTGTCTCCAGGAAGGGCAGCGGCCCTCCCATCACTGGAAGTCTGCAGTGGGGGT
CGCTGGGGTGGAGAGAACTAAGAGGTGAACATGTATGAGTGTGTGCACGCGTGTGAGTGTGCATGT
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CCAGCCCCCTCTCCCCCTGAGCCATTGTGGGGTGCATCATGAATGTCCGAAGAGTGGCCTTTCCCGT
AGCCCTGCGCCCCCTTTCTGTGGCTGGATGGGGAGACAGGTGAGGCCCCCCACCCTCTCCAGCCCCTG
CAGCAAATGACTACTGCACCTGGACAGCCTCCTCTTTCTAGAAGTCTATTTATATTGTCATTTTATAA
CACTCTAGCCCCCTGCCCTTATTGGGGGACAGATGGTCCCTGTCCTGCGGGGTGGCCCTGGCAGAACCAC
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GGCAAGGGTGGGTGGGAGTGGGAGTTCAGGTATAGCAGCCAGTAAGCTCCCCAGCCTGCCACTC
CCCAGAATGGGGCAGGATTGTCCCCACCCTGGAAGCAGCCAGTTGCCACAGTCCATGTGCAGACTGA
TCCCAGTTTGCCAAATCTGCAATTTCTGGAACCTTTTAAAGGCTGTCTTGAGCGCGTTTTGGTGAGTAG
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ATTGACTGAGGCTGACTGGCCTGGAGCTGCTGGCTTCGGAGAGACACCCTGTGAAGTGTGCTCTCCAC
GCAGGAGCCAGAGCCGAGCCACGCTGGGGGGAATCTGACTGGCATGGAGGTGGCCATGCCACCATCG
CTGCTGCAGTGCATCCTGGCACTTTGCGCCTCAGGCCCTGTTGGGCTCCACTTTCTGCATCCTCCCCA
GCCCCAGGGAGGCAGTGGAGTGGGAGAGAGCCAGGAGTGAAGTCCGTCGCCAAAGCCAGCCAGGCG
TCATCAGCACCAGAGACCTCAGCCTGGTCTCTCGGGAAGTGAAGTGGCCAGGGCAGAGATTCCAGGTTA
GTCCACGCTCCCACCCTCACAGTCTGACCCCAAGAATCAGAGCACTGTGTGTGTGGCAGGGCCTA
TGCCAAGTGCAAACACAGCCTAGATGGATCATCACAGAGTGAAACCCAGCGGTGCAAGCAGCTGTGCTC
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AAGGTTTCAGGCTTGAATGCACTTTCAAATGAGATTTTTTTTTTTTTTTTGGAGACGGAGTATCGCTCTG
TCGCCCAGGCTGGAGTGCAGTGGCAGCATCTTGGCTCACTGCAACTTCTGCCTCTGGGTTCAAGCGA
AGCGGACCGACTTACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCC
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_001014831.3](#)

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