

Product datasheet for **SC323176**

PAK6 (NM_001128629) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAK6 (NM_001128629) Human Untagged Clone
Tag:	Tag Free
Symbol:	BUB1B-PAK6
Synonyms:	PAK-5; PAK-6; PAK5; PAK6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



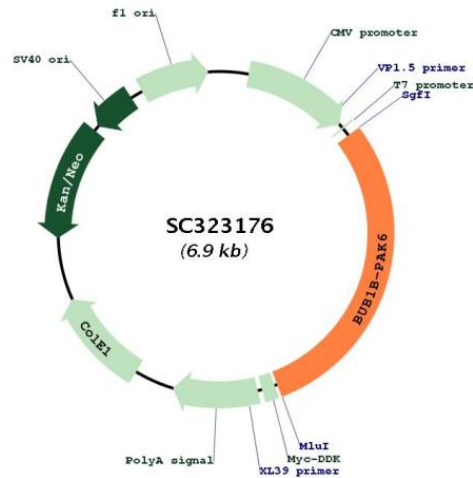
[View online »](#)

Fully Sequenced ORF: >SC323176 representing NM_001128629.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTCCGCAAGAAAAAGAAGAAACGCCCTGAGATCTCAGCGCCACAGAAGTCCAGCACCGTGTCCAC
ACCTCCTTCGACCCCAAGAAGGCAAGTTTGTGGCCCTCCCCACAATGGCAGAACATCCTGGACACA
CTGCGGCCGCCCAAGCCCGTGGTGGACCCTTCGCGAATCACACGGGTGCAGCTCCAGCCATGAAGACA
GTGGTGC GGCGCAGCGCATGCCTGTGGATGGCTACATCTCGGGGCTGCTCAACGACATCCAGAAGTTG
TCAGTCATCAGCTCCAACACCCTGCGTGGCCGACGCCACCAGCCGGCGGGCGGCACAGTCCCTGGGG
CTGCTGGGGGATGAGCACTGGGCCACCGACCCAGACATGTACCTCCAGAGCCCCAGTCTGAGCGCACT
GACCCCAACCGCCTCTACCTCAGCTGCAACGGGGGACACACAGCAGGCCACAAGCAGATGCCGTGGCC
GAGCCACAGAGCCACGGGTCTGCCAATGGGTGGCTGCAAAGGCACAGTCCCTGGGCCCGCCGAG
TTTCAGGGTGCTCGCAGCGCTGTCTGCAGCTGGGTGCCTGCCTGCAGAGCTCCCACCAGGAGCCTCG
CCCCCACGGGCACCAATAGGCATGGAATGAAGGCTGCCAAGCATGGCTCTGAGGAGGCCGGCCACAG
TCCTGCCTGGTGGGCTCAGCCACAGGCAGGCCAGGTGGGGAAGGCAGCCCTAGCCCTAAGACCCGGGAG
AGCAGCCTGAAGCGCAGGCTATCCGAAGCATGTTCTGTCCACTGCTGCCACAGCCCCTCCAAGCAGC
AGCAAGCCAGGCCCTCCACCACAGAGCAAGCCAACTCCTCTTTCCGACCGCCGAGAAAGACAACCC
CCAAGCCTGGTGGCCAAGGCCAGTCTTGGCCCTCGGACCAGCCGGTGGGACCTTCAGCCCTTGACC
ACTTCGGATACCAGCAGCCCCAGAAAGTCCCTCCGCACAGCCCCGGCCACAGGCCAGTTCAGGCCGG
TCTTCCCAGCGGGATCCCCCGCACCTGGCACGCCAGATCAGCACCAGCAACCTGTACCTGCCCCAG
GACCCACGGTTGCCAAGGGTGCCTGGCTGGTGGAGACAGGTGTTGTGACACATGAGCAGTTCAAG
GCTGCGCTCAGGATGGTGGTGGACCAGGGTGACCCCGGCTGCTGCTGGACAGTACGTGAAGATTGGC
GAGGGCTCCACCGCATCGTCTGCTTGGCCCGGAGAAGCACTCGGGCCGCCAGGTGGCCGTCAAGATG
ATGGACCTCAGGAAGCAGCAGCGCAGGGAGCTGCTCTCAACGAGGTGGTATCATGCGGGACTACCAG
CACTTCAACGTGGTGGAGATGTACAAGAGCTACCTGGTGGGCGAGGAGCTGTGGGTGCTCATGGAGTTC
CTGCAGGGAGGAGCCCTCACAGACATCGTCTCCAAGTCAGGCTGAATGAGGAGCAGATTGCCACTGTG
TGTGAGGCTGTGCTGCAGGCCCTGGCTACCTGCATGCTCAGGGTGTATCCACCGGGACATCAAGAGT
GACTCCATCCTGCTGACCCTCGATGGCAGGGTGAAGCTCTCGGACTTCGGATTCTGTGCTCAGATCAGC
AAAGACGTCCCTAAGAGGAAGTCCCTGGTGGGAACCCCTACTGGATGGCTCCTGAAGTATCTCCAGG
TCTTTGTATGCCACTGAGGTGGATATCTGGTCTCTGGGCATCATGGTATTGAGATGGTAGATGGGGAG
CCACCGTACTTCAGTGACTCCCCAGTGAAGCCATGAAGAGGCTCCGGGACAGCCCCCAAGCAAGCTG
AAAACTCTCACAAAGTCTCCCCAGTGTGCGAGACTTCTGGAGCGGATGCTGGTGC GGACCCCA
GAGAGAGCCACAGCCAGGAGCTCTAGACCACCCCTTCTGCTGCAGACAGGGTACTCTGAGTGCTG
GTGCCCTGATCCAGCTTACCAGAAAGCAGACCTCCACCTGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001128629

Insert Size: 2046 bp

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).

OTI Annotation: 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.

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_001128629.2](#)

RefSeq Size: 3808 bp

RefSeq ORF: 2046 bp

Locus ID: 106821730

UniProt ID: [Q9NQU5](#)

Cytogenetics: 15q15.1

MW: 74.9 kDa

Gene Summary: This gene represents readthrough transcription between the genes BUB1B (mitotic checkpoint serine/threonine-protein kinase BUB1 beta) and PAK6 (serine/threonine-protein kinase PAK 6). The protein encoded by the readthrough transcripts is the same as the product of the downstream gene (PAK6). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]
Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.