

Product datasheet for **SC320880**

PAK1 interacting protein 1 (PAK1IP1) (NM_017906) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAK1 interacting protein 1 (PAK1IP1) (NM_017906) Human Untagged Clone
Tag:	Tag Free
Symbol:	PAK1 interacting protein 1
Synonyms:	bA421M1.5; hPIP1; MAK11; PIP1; WDR84
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_017906.2
GGGGGGCTGGCGGAAGAGGCACGTGCGCTGCTGAATGGAGCTGGTCGTTGCTACG
AGCAGGTCTCTTTGGGTCGCTGTACACCCGGAGCCCGAGGCTTGCGGCGACCAGCAGC
AATGGACTCTTGTGGCTGACTTCACTCACCATGCTCACACTGCCTCCTTGTGACAGTAG
CTGTAATAGTCGTTTTGTGGTCACTGGGAGCAAAGATGAAACAATTCACATTTATGACA
TGAAAAAGAAGATTGAGCATGGGCTCTAGTGCATCACAGTGGTACAATAACTTGCCTGA
AATTCTATGGCAACAGGCATTTAATCAGTGGAGCGGAAGATGGACTCATCTGTATCTGGG
ATGCAAAGAAATGGGAATGCCTGAAGTCAATTAAGCTCACAAGGACAGGTGACCTTCC
TTTCTATTCACCCATCTGGCAAGTTGGCCCTGTCGTTGGTACAGATAAACTTTAAGAA
CGTGGAATCTTGTAGAAGGAAGATCAGCATTCAAAAAATATAAAACAAAATGCTCACA
TAGTAGAATGGTCCCAAGAGGAGAGCAGTATGTAGTTATCATACAGAATAAAATAGACA
TCTATCAGCTTGACACTGCATCCATTAGTGGCACCCTCACAATGAAAAGAGAATTCCT
CTGTTAAATTTCTTTAGAGTCTGTCCTTGCAGTGGCTGGAGATGAAGAAGTTATAAGGT
TTTTGACTGTGATTCAGTAGTGTGCTCTGCGAATTTAAAGCTCATGAAAAACAGGGTAA
AGGACATGTTTCAGTTTTGAAATTCAGAGCATCATGTTATTGTTTCAGCATCGAGTGATG
GTTTCATCAAAATGTGGAAGCTTGAGCAGGATAAGAAAGTTCCCCATCTTTACTCTGTG
AAATAAACACTAATGCCAGGCTGACGTGTCTTGGAGTGTGGCTAGACAAAAGTGGCAGACA
TGAAAGAAAGCCTTCTCCAGCTGCAGAGCCTTCTCCTGTAAGTAAAGAACAGTCCAAAA
TTGGCAAAAAGGAGCCTGGTGACACAGTGCACAAAGAAGAAAAGCGGTCAAAACCTAACA
CAAAGAAACGCGTTTAAACAGGTGACAGTAAGAAAGCAACAAAAGAAAAGTGGCCTGATAT
CAACCAAGAAGAGGAAAAATGGTAGAAATGTTGGAAGAAAGAGGAAAAAGAAATAA
AAACAATGCAGTGAATCACAGATGTCTCCTGAAAGAACTTTTTAGATGAAATCATTCTA
CTCAAAATGTACCTTAATTTTTTTTTTTTTCCCTGAGTAAAAGCAAGAAATTTCTTCTT
TGGAAAAATATATATATATAAAAAACCACTTTTAGATGGTTTTTTTTAAAAAAAAAAAA
AAAAGTGGTAAAATTTACTTTTGGCAGGCAGTGTATGAATTATGTATCATGTTGATAT
ATAATATGTTGATGTGCATGTAATTTTTACTTTGTACAAAAAAGAAAAAAGAAAAA
AAAAAAA



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Restriction Sites:	Please inquire
ACCN:	NM_017906
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:	<ol style="list-style-type: none">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_017906.2 , NP_060376.2
RefSeq Size:	1511 bp
RefSeq ORF:	1179 bp
Locus ID:	55003
UniProt ID:	Q9NWT1
Cytogenetics:	6p24.2
Domains:	WD40
Gene Summary:	Negatively regulates the PAK1 kinase. PAK1 is a member of the PAK kinase family, which has been shown to play a positive role in the regulation of signaling pathways involving MAPK8 and RELA. PAK1 exists as an inactive homodimer, which is activated by binding of small GTPases such as CDC42 to an N-terminal regulatory domain. PAK1IP1 also binds to the N-terminus of PAK1, and inhibits the specific activation of PAK1 by CDC42. May be involved in ribosomal large subunit assembly (PubMed:24120868).[UniProtKB/Swiss-Prot Function]