

Product datasheet for **MC210685**

Pak1ip1 (NM_026550) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pak1ip1 (NM_026550) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pak1ip1
Synonyms: 5830431115Rik; 5930415H02Rik; AA419825; AI314040; AW556169; Gdpd1; PIP1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210685 representing NM_026550
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGCTGGTCGCCGCGAGCTACGAGCAGGTCTGTTGGGTTACGGTACAGCGCGGGCCCGGAAGA
GTGGCCATCAGGAGACATGGACTCCTGTGGCTGATTTCACTCACCCTCGCACACTGCCTCCTGTCCGT
GCTGGCCTCCAACAGTCGCTATGTAGTCTCTGGCAGCAAAGATGAGACGATTCACATTTATGACATGAAA
AGGAAGGTGGAGCATGGGGCTCTGGTGCATCACGCTGGCAGTAACCTGGCTGAAATCCATGGCAACC
AGCACTTAATCAGTGGGGCAGAAGACGGCCACATCTGCATCTGGGATGTGAAGAGATGGAAGTGCCTGAA
GACCTTTAAAGCTCACAGGGGACATGTCACCTTTCTTTCTATCCACCCGCTCTGGCAAAGTTGGCTCTGTCT
GTTGGCACCGATAAAACATTAAGAACATGGAATCTTATAGAGGGAAGATCAGCTTTCATAAAAAATATAA
AGGAAAATGCTCACATAGTGGAGTGGTCCCAAGTGGAGGGAAGTACATAGTTGTTGTGCAGAATAAAGT
GGATGTCTATCGGCTGGGCACGGCGTCTGTGAGCGGCACCATCACAAACGGAAAGAGGATCTCTTCTGTT
ACCTTTCTCTCAGACTCTGTCTTGCAGTGGCTGGAGATGAAGAAGTTGTGAGGATTTTGTACTGTGATT
CCCTAGAGTGCCCTGTGAATTCAGAGTCATGAGAACAGGTTAAAGACATGGTCAGTTTTGAAGTCCC
AGACCATCACGTTCTTGTACAGCATCAAATGATGGCTTCATCAAATGTGGACGCTTCCACAGGATAAG
AAAGTTCTCCATCTTTGCTGTGTGAGGCCAAAAGTGGTCCAGGCTGACATGTCTTACTGTGTGGTTAG
ACAGAGCAGCAAATGGAATGGCGAGCCTTCTCCAGCAGCAGAGCCCTGCCCTGACCAACCTAAGACAAT
CGAAAAGGAATCTGGTACACAGTTTCAGGAAGAAACATCAGAACCTAACTCGGAGAAATCTGATGTAAGT
GGTGACAGCAAGCAGCCAAACAAAGGAAATAGCCAGTGACAGCCAAAGAAGGAAAATGGCAACCATGT
CGGAAAAGAAGAGAAAAGAAGAAATG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_026550
Insert Size:	1149 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).
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:	<u>NM_026550.3</u> , <u>NP_080826.2</u>
RefSeq Size:	1753 bp
RefSeq ORF:	1149 bp
Locus ID:	68083
UniProt ID:	<u>Q9DCE5</u>
Cytogenetics:	13 A3.3
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.[UniProtKB/Swiss-Prot Function]