

## Product datasheet for **SC206718**

### PAK3 (NM\_001128172) Human 3' UTR Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | 3' UTR Clones   |
| Product Name:             | PAK3 (NM_001128172) Human 3' UTR Clone                    |
| Symbol:                   | PAK3  |
| Synonyms:                 | ARA; beta-PAK; bPAK; MRX30; MRX47; OPHN3; PAK-3; PAK3beta |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pMirTarget (PS100062)                                     |
| ACCN:                     | NM_001128172  |
| Insert Size:              | 2000 bp   |



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**Insert Sequence:** >SC206718 3'UTR clone of NM\_001128172  
 The sequence shown below is from the reference sequence of NM\_001128172. 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
AAGGAAGCAATTAAGAACAGCAGCCGCTAAGACTGCAAGCCTTACACCTCACCATCTCCCTCATGAGTA
AGACTGAAATAAACTCTGCTGCAGGAAAGATGGAAAGAAAGACAGTCAAATGGGGTGGGGTCTTTA
CCTTTCAAATGAATAGAACTTCTTATAAGCCTTTTCTACTCCCTCAGATTATGTAATTTATTTGTA
AGCCTGAATCGCAGCCCAAACAGGGCAGCAATGTTGAAGTGACCATAAAGTGGTCACTTCCACCGTGAA
GCGAAAGAGCCAGTAGTGAATCCCCTCATTGTTGTCATTCACTTTGAAGAAAAAGTTTCTCAAAGATG
CACACTCCCTCTCATAGTGTGTTGTTTTAAGTTAGAGAGTAGTCCCTCTGCATTCAAACCTC
CTTCAAACTCCTTACCAATGTGATGTTTTCACTTGCATTGTCATTAGATGCCAGAAAAAAG
ATGTCAAAATGTTTTCTAAAAAAGAAAGCAAAAAAGCAAGGCAAAAAAAGAAAAAACAACAA
AAACAAAAACAACAAAAACAAGCAAAAAAATACCAGAGCAAGTACTGTGTGAACATGTGGAAGT
CCATGCCCTAATAGAGTTGCAATTTTTATTCTTCTTCTATAGTGGTGGCTTGGTTGTGTACATTTT
TTCTGCATTTGTATTGAAAAAGTTTCTTTAAGACATTTTCAAAGTGGAGAGGAATATGTGTGTTT
AGGAAGGGCTTTCAAAAACTGTATATCTAAATAAGCTCAAACGGTGAAATCCTGTCCACATTTTACA
ATGATGCTTAAAGATAATTGAGTAAACAGGTTGTTAATCTCCTTAATACCTGAAAGAGGACACACTG
AACTGAACTGTGACATCCTGCTAGGTGAGTTCAGGTTCTGAACCTAGGAAATCCTCATAGGAGAAAC
CACATTTAAACAAGATGGGACTTCTCTGAGAGCCAAAACCAGATAAATGTAGAATACTGAAATCCTT
GTTGGACATTAAGTAAACAAGATAATGATACCTAAATTAATCCTCTTGTGCTTATGAAACATATGC
ACTGTAAAAATAGGCATACCAGGAGGAAATAGATACATTAATCATCATTTACTTATGATACAAATTTT
ATTTTGACAATTTATAACGTTTAAAAAAGTTTTTAAAGATCTAGAGAAAGGTGATATAGTAAACATTC
AACTCTGAAGAAATGGGAGGTCAAGTGAAGGCTACATCCCAATCAATATTTGGCTCTAAGTACCTTTC
CCATTTTTCTATGTATCACCTATTTCTGTTTCCGAATATGGTGTGTTTATGCTTGTGTTTGGGCTT
TTGAATATCAAAGCATATTCATAAATGTCTTGAAATCTCTCCAGTGGAAAATAATTTAACTTACAA
TCATATCCCAAGAAATGTCAGTCCGACAGAATTCCTTATATGACTTGGGAAAATAACAAAATTTGACT
ACTATTTACCATATATCTATTTATTAATAAATCAACAGTTGGCACTTCTGAATCTTCTGAGAGTAG
AAAAATATCTGCGGAGTGTCTGTGTAGAAAAGGATATGCCTCTCTTTGAGTGTATTGACATTTTGTGTA
AATTACAGAAAGTTGTTTCTTAAGCCTTTGAAAAACTAACAATTTGTGTTATAGAAGGCTTCTTAATT
TGCAAGTATAAAAGAAATCTAAACAGAACTTATGTACATTCAGCCAGAAGGGGAAAGAGATCAGTTACATA
GGCCTCTCTCTTCTTTGCCAAGGTACATCCATCCATCTAACCATCCATATATCCACATCTTAAATGA
AAGCACTTTCTTTAGAGTTTTCAGCAAATATATAGTGTACGTGTTTATGTTTCCAGGAGATGACCCCACTG
GTGTATTTCTATTTTCCCTATTTGTTTTCTTTGACTGTAAAAAGTTGGGAGAGGCTTGACCTCCTCCCC
ACGCGTAAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**Restriction Sites:** SgfI-MluI

**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\\_001128172.2](#)

**Summary:** The protein encoded by this gene is a serine-threonine kinase and forms an activated complex with GTP-bound RAS-like (P21), CDC2 and RAC1. This protein may be necessary for dendritic development and for the rapid cytoskeletal reorganization in dendritic spines associated with synaptic plasticity. Defects in this gene are the cause of a non-syndromic form of X-linked intellectual disability. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2017]

**Locus ID:** 5063

**MW:** 76.8