

Product datasheet for **RN209166**

Jak1 (NM_053466) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jak1 (NM_053466) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Jak1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN209166 representing NM_053466 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGTATCTAAATATAAAGAGGACTGCAATGCCATGGCTTTCTGTGCTAAAATGAGGAGCTTCAAGA
AGACGGAGGTGAAGCAGGTGGCCCTGAGCCAGGAGTGGAAAGTGACTTTCTATCTGTTGGACAGGGAGCC
CCTCCGCTGGGCAGCGAGAGTACACCGCGGAGGAGTGCATCAGGGCCGCACAGGAATGCAGTATC
TCTCCTCTGCCACAACCTCTTCGCCTTGATGATGAGAGCACCAAGCTCTGGTATGCTCCAAACCACA
TCATCACTGTGGATGACAAAATGTCTCTCCGGCTGCACTACCGCATGAGGTTCTACTTTACCAACTGGCA
TGGAAACCAATGACAATGAACAGTCTGTATGGCAGATTCTCCAAAGAAGCAGAAAAATGGCTATGAGAAG
AAAAAGGTTCCAGAAGCAACCCCACTCCTTGATGCCAGTTCACTGGAGTATCTGTTTGGCAGGGACAGT
ATGATTTGATCAAATGCCTGGCTCCATTCCGGACCCCAAGACAGAGCAAGATGGACATGATATTGAGAA
TGAGTGCCTGGCATGGCTGTCTGGCCATCTCAGTATGCCATGATGAAGAAGATGCAGTTGCCAGAG
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TTCTTACCAGGATGCGAATAAATAATGTTTTCAAGGATTTCTTGAAGGAATTTAACAACAAGACCATCTG
TGACAGCAGTGTGCTACACACGACCTGAAGGTGAAGTACCTGGCTACCTTGAAACCTTAACCAAGCAT
TATGGAGCCGAGATATTTGAGACTTCTATGCTCCTGATTTTCATCAGAAAATGAGCTGAGTCGGTGCCATT
CCAACGACAGTGGCAATGTTCTCTATGAAGTCATGGTAACAGGAAATCTCGGGATCCAGTGGCGGCAGAA
ACCAAAATGTTCTTCTGTTGAAAAGGAAAAAATAAATGAAGCGGAAAAAACTGGACTATAATAAACAC
AAGAAGGAGGATGACAGAAACAACTCCGGGAAGAGTGGAAACAGTTTTTCTATTTCCCGGAGATTACCC
ACATTGTTATCAAGGAGTCTGTGGTCAGCATTAAACAAACAGGACAACAAGAACATGGAACATAAGCTCTC
TTCTCATGAGGAAGCCTTGTCCTTCGTGTCCTGGTAGATGGCTACTTCCGGCTCACTGCAGATGCTCAC
CATTACCTCTGTACTGATGTGGCTCCCCCGCTGATTGTCCACAACATACAGAATGGCTGTACCGTCCAA
TCTGCACAGAATATGCCATCAATAAGCTCGCGCAGGAGGGAGTGAGGAGGGGATGTACGTGCTGAGGTG
GAGCTGCACCGACTTTGACAACATTCTTATGACTGTCAGCTGCTTCGAAAAGTCCGAGGTATTGGGTAAT
CAGAAGCAGTTCAAGAACTTTCAGATTGAGGTGCAGAAGGGCCGCTACAGCCTGCATGGCTCTGTTGACC
ACTTTCCAGCCTGAGAGACCTCATGAACCACCTCAAGAAGCAGATCCTGCGCACGGACAATATAAGCTT
TGTGCTGAAACGCTGCTGCAGCCTAAGCTCGAGAAATCTCCAACCTACTTGTAGCCACTAAGAAAGCC



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CAGGAGTGGCAGCCTGTCTACTCTATGAGCCAGCTGAGTTTCGATCGGATCCTTAAGAAAGATATTATCC
 AAGGTGAGCACCTTGGCAGAGGCCACAAGAACACATATCTATTCTGGGACCCTGCTGGATTACAAGGACGA
 TGAAGGAATTGCTGAAGAAAAGAAGATAAAAGTGATTCTCAAAGTCTAGACCCTAGCCACCGGGACATT
 TCACTGGCCTTCTTTGAGGCAGCCAGCATGATGAGACAGGTTTCCACAAAACACATCGTGTACCTTACG
 GCGTCTGTGTCGAGATGTGGAAAATATCATGGTGAAGAGTTTGTGGAGGGGGGCCATTGGATCTCTT
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 CTGAGTTACTTGAAGATAAAGACCTCGTTCATGGAAATGTGTGCACTAAAAACCTCCTCTGGCCCGTG
 AGGGCATTGACAGTGACATTGGCCCGTTTCAAGCTTAGTGACCCTGGCATCCCAGTCTCTGTGCTGAC
 CAGGCAAGAGTGCATAGAGCGAATTCCTGGATCGCTCCTGAGTGTGTTGAAGACTCCAAGAACCTGAGT
 GTGGCTGCTGACAAGTGGAGCTTGAACCACACTCTGGGAAATCTGCTACAATGGCGAGATCCCCTCA
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 GGAGCTAGCTGACCTCATGACTCGCTGCATGAATATGATCCCAACCAGAGACCTTTCTCCGAGCCATC
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 TGGATCCCCTCATTGAAAAGCGTTTCTAAAGAGGATTCTGACTTGGGAGAGGGTCACTTTGGGAA
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 CCTGAGAGTGGAGTAACCACATAGCTGATCTGAAGAAGGAGATAGAGATCTTACGGAACCTTACCACG
 AGAACATTGTGAAGTATAAAGGAATCTGCATGGAAGACGGAGGGAATGGTATCAAGCTCATCATGGAGTT
 TCTGCCTTCGGAAGCCTAAAGGAATATCTGCCAAGAATAAGAACAATAAACCTCAAACAGCAGCTA
 AAATATGCCATCCAGATTTGTAAGGGGATGGACTATCTGGGCTCTCGGCAATATGTTCCACGGGACTTAG
 CAGCAAGAAATGTCCTTGTGAGAGTGAACACCAAGTGAAGATCGGAGACTTTGGTTTAAACCAAGCAAT
 TGAGACCGATAAAGGAGTACTACACAGTCAAGGATGACCGGGACAGCCAGTGTGTTTGGTACGCTCCGGAG
 TGTTTAAATCCAGTGTAAATTTTATATCGCCTCTGATGTCTGGTCTTTTGGAGTGAACACTGACGAGTTGC
 TCACGTACTGTGACTCAGATTTTGTCCATGGCCTTGTCTGAAAATGATAGGCCAACTCATGGCCA
 GATGACAGTAACACGGCTTGTGAATACTCTGAAAAGAAAGGAAAGCGCTGTCTGTCCACCAACTGTCCC
 GATGAGGTTTATCAGCTTATGAGAAAATGCTGGGAATTCCAACCTCTAATCGGACAACCTTTCAGAACC
 TTATTGAAGGATTTGAAGCACTTTTAAATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_053466
- Insert Size:** 3462 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:**
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_053466.1](#), [NP_445918.1](#)

RefSeq Size: 4291 bp
RefSeq ORF: 3462 bp
Locus ID: 84598
Cytogenetics: 5q33
Gene Summary: protein-tyrosine kinases; involved in intracellular signal transduction [RGD, Feb 2006]