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Product datasheet for RN207950

Jak3 (NM_012855) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jak3 (NM_012855) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Jak3
Synonyms:	RATJAK3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

Fully Sequenced ORF:

>RN207950 representing NM_012855
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCACCTCCAAGCGAGGAGACACCTCTCATCTCTCAGCGCTCTTGTAGCCTCTCATCCTCAGAAGCAG
GAGCCCTGCATGTGCTCCTTCCTCCCCGGGGACCTGGGCCTCCCCAGCGACTGTCATTCTCTTTTGGGGA
CTACTTGGCTGAGGACCTGTGTGTGCGGGCTGCCAAGGCCTGTGGCATCCTGCCCGTTTATCATTCGCTC
TTCGCTCTGGCCACCGAGGACTTGTCTTGCTGGTTCCCCCCAAGCCACATCTTCTCCATAGAGGACGTGG
ACACTCAAGTCTTGGTCTACAGGCTACGCTTTTATTTTCCTGGTTGGTTTGGACTGGAGACCTGTCACCG
CTTTGGGTTACACAAAGATTTGACCAGTGCCATCCTTGACGTACATGTTTTAGAACACCTCTTTGCCCAG
CACCGCAGTGACCTGGTGAGTGGGCGTCTCCCAGTAGGCCTTAGCCTGAAGGACCAGGGAGAGTTCCTGA
GCCTAGCTGTGCTGGACCTGGCCCAGATGGCTCGTAAGCAGGCCCAGCGGCCAGGAGAGCTGCTGAAGTC
CGTCAGTTACAAAGCCTGTCTGCCGCCCAGCCTGCGCGACCTGATCCAGGGCCAGAGCTTCGTGACGCGC
AGGCGCATCCGCAGGACCGTGGTCCAGGCGCTGCGCCGTGTAGTAGCCTGCCAAGCCGACCGCTACGCAC
TCATGGCCAAGTACATCCTAGACCTTGAGCGGCTGCATCCAGCGGCCACCACTGAGTCCTTCCTCGTGGG
ACTCCCGGGCGCCCAGGAGGAGCCGGGTTGCCTGCGTGTGACAGGGGATAATGGCATCGCCTGGAGCTCC
AAGGACCAGGAGCTTTTCCAGACCTTCTGTGACTTTCCAGAAATCGTGGATGTCAGCATCAAGCAGGCTC
CACGCGTGGGTCCGGCAGGGGAGCACCGGCTAGTCACCATCACCAGGATGGACGGTCACATCCTGGAAGC
GGAGTTCCCGGGGCTGCCTGAGGCGCTGTCTTTCGTGGCGCTCGTGGATGGGTACTTTCGCCTGATCTGC
GACTCCAGGCATTTCTTCTGCAAGGAGGTGGCACCGCCACGGCTGCTGGAGGAAGAGGCGGAGCTGTGCC
ATGGACCCATCACGTTAGACTTTGCCATCCACAAGCTGAAGGCTGCTGGCTCCCTCCCGGGCTCCTACAT
TCTCCGACGCAGCCCGCAGGACTATGACAGCTTTCTTCTTACTGCCTGTGTCCAGACTCCTCTTGGCCCC
GACTACAAGGGCTGCCTCATCCGCCAAGACCCCAGTGGGGCTTTCTCCCTGGTTGGTCTCAGCCAGCTGC
ACAGAAGCCTACAGGAGCTGCTCACAGCCTGCTGGCATTCTGGACTGCAAGTAGACGGCACTGCCCTGAA
CCTCACATCTTGCTGCGTCCCCAGACCCAAGGAAAAGTCCAATTTGATCGTGGTGCGTAGGGGCCGCAAC
CCCACGCCTGCCCCCGGGCACTCCCCATCCTGCTGTGCGCTGACTAAGTTGAGCTTCCACACAATCCCAG

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CAGACAGCCTGGAGTGGCACGAGAATCTTGGTCACGGCTCTTTTACCAAGATCTTCCATGGCCATAGGCG
GGAGGTTGTGGATGGTGAGACACATGACACAGAAGTCCTCCTGAAGGTTATGGACTCCAGACACCAGAAC
TGCATGGAGTCCTTTCTGGAAGCCGCAAGCTTGATGAGCCAAGTATCCTACCCGCACCTGGTGTTGCTGC
ATGGAGTCTGCATGGCTGGAGACAGCATCATGGTGCAGGAATTTGTGTACCTTGGAGCAATTGACACGTA
CCTGCGCAAGCGTGGTCACCTGGTGCCGGCCAGCTGGAAACTGCAGGTGACCAAGCAGCTGGCCTATGCC
CTTAACTACTTGGAGGACAAAGGCCTCCCTCATGGCAACGTCTCAGCGAGGAAGGTGCTGCTAGCTCGTG
AGGGGGTTGATGGGAATCCACCTTTCATCAAGCTGAGTGATCCTGGTGTCAGCCCAACTGTTTTGAGCCT
GGAAATGCTCACTGACAGGATTCCCTGGGTGGCCCCGGAGTGTCTCCAGGAAGCTGGAACGCTCAACTTG
GAGGCTGACAAGTGGGGCTTTGGCGCCACCACGTGGGAGGTGTTCAGCGGGGCACCCATGCACATTACCT
CGCTGGAGCCCGCCAAGAAGCTGAAGTTCTATGAGGACCGGGGACAGCTGCCGGCCCTCAAATGGACAGA
GCTGGAGGGGCTCATCGCACAGTGCATGGCGTATGATCCTGGCCGGCGCCCCTCCTTCCGAGCCATCCTC
AGAGACCTCAACGGCCTCATTACATCAGATTACGAGCTCCTCTCAGACCCCACACCTGGCATCCCGAATC
CCCGAGATGAGCTGTGTGGTGGTGCCCAGCTCTATGCCTGCCAGGACCCCGCCATCTTCGAGGAGAGACA
CCTTAAGTACATCTCCCTGCTGGGCAAGGGGAACTTCGGCAGCGTGGAGCTGTGCCGCTACGACCCTCTG
GGAGACAATACGGGACCCCTGGTAGCAGTGAAGCAGTTACAGCACAGCGGGCCAGAACAGCAGAGGGACT
TCCAGCGAGAGATTCAGATCCTCAAGGCTCTACACTGTGACTTCATCGTCAAGTACCGGGGAGTCAGCTA
TGGGCCTGGTCGCCAGAGCCTGCGGTTAGTGATGGAGTACCTGCCCAGCGGCTGCCTGCGGGACTTCCTG
CAGCGCCACCGCGCGCGCCTGCACAACGACCGCCTACTGCTGTTCGCCTGGCAGATCTGCAAGGGCATGG
AGTACCTGGGCGCACGCCGCTGCGTGCATCGTGACCTGGCTGCGCGCAACATCCTGGTGGAGAGTGAGGC
GCATGTGAAGATTGCTGACTTCGGCCTCGCTAAGCTGCTGCCTCTCGGAAAAGACTACTACGTGGTCCGC
GAGCCGGGCCAAAGTCCCATCTTCTGGTACGCCCCTGAGTCCCTATCTGACAACATCTTCTCCCGCCAAT
CTGACGTGTGGAGCTTCGGCGTGGTGCTGTATGAGCTCTTCACCTACAGCGACAAGAGCTGCAGCCCATC
CACTGAGTTCCTGCGCATGATGGGGCCTGAGCGTGAGGGATCCCCGCTCTGCCACCTCTTGGAGCTGCTG
GCAGAGGGCCGCCGTCTCCCACCACCCTCCACCTGCCCTACTGAGGTTCAAGAGCTCATGCAGCTGTGCT
GGTCGCCCAACCCACAAGACCGGCCAGCATTTGACACCCTGAGCCCCCAGCTGGATGCGCTGTGGCGCGG
AAGCCCCGGATAG

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_012855

Insert Size: 3303 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_012855.2, NP_036987.2

RefSeq Size:	3793 bp
RefSeq ORF:	3303 bp
Locus ID:	25326
UniProt ID:	F1LR79
Cytogenetics:	16p14
Gene Summary:	tyrosine kinase; member of the JAK family of protein kinases [RGD, Feb 2006]