

Product datasheet for **MC223732**

Jak1 (NM_146145) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jak1 (NM_146145) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Jak1
Synonyms:	AA960307; BAP004; C130039L05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223732 representing NM_146145 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGTATCTAAATATAAAAGAGGACTGCAATGCCATGGCGTTCTGTGCTAAAAAGAGGAGCTTCAAGA
AGACTGAGGTGAAGCAGGTGGTCCCTGAGCCTGGAGTGGAGGTGACTTTCTATCTGTTGGACAGGGAGCC
CCTCCGCCTGGGAGCGGAGAGTATACAGCCGAGGAGCTGTGCATCAGGGCCGCCAGGAGTGCAGTATC
TCTCCTCTGTGCACAACCTCTCGCCCTGTACGATGAGAGCACCAAGCTCTGGTACGCTCCGAACCGAA
TCATCACTGTGGATGACAAAACGTCTCTCCGGCTCCACTACCGCATGAGGTTCTACTTTACCAACTGGCA
CGGAACCAATGACAACGAACAGTCTGTATGGCGACATTCTCCAAAGAAGCAGAAAAACGGCTATGAGAAG
AAAAGGGTTCCAGAAGCAACCCCACTCCTTGATGCCAGTTCAGTGGAGTATCTGTTTGCACAGGGACAGT
ATGATTTGATCAAATGCCTGGCTCCCATTCGGGACCCCAAGACGGAGCAAGACGGACATGATATTGAAAA
TGAGTGCTGGGCATGGCGGTCTGGCCATCTCCCACTATGCCATGATGAAGAAGATGCAGTTGCCGGAA
CTTCCAAAGACATCAGCTACAAGCGATATATTCCAGAAACATTGAATAAATCCATCAGACAGAGGAACC
TTCTTACCAGGATGCGAATAAATAATGTTTTCAAGGATTTCTTGAAGGAATTTAACAACAAGACCATCTG
TGACAGCAGTGTGTCTACACATGACCTGAAGGTGAAATACCTGGTACCTTGGAACTTTGACAAAAACAT
TATGGAGCTGAAATATTTGAGACTTCTATGCTACTGATTTTCATCAGAAAATGAATGAGTGCATGCCATT
CGAATGACAGTGGCAATGTTCTCTATGAGGTGATGGTACTGAAATCTCGGGATCCAGTGGCGGCAGAA
ACCAAAATGTTGTTCTGTTGAAAAGGAAAAAATAAACTGAAGCGGAAAAAACTGGAATATAATAAACAC
AAGAAGGATGATGAGAGAAAACAACTCCGGGAAGAGTGAACAATTTTTCTATTTCCCTGAAATCACCC
ACATTGTAATAAAGGAGTCTGTGGTCAGCATTAAACAAACAGGACAACAAAAACATGGAATCAAGCTCTC
TTCTCGAGAGGAAGCCTTGTCTTTGTGCTCCCTGGTGGATGGCTACTTCCGGCTCACTGCAGATGCCAC
CATTACCTCTGTACTGATGTGGCTCCCCACTGATTGTCCACAATATACAGAACGGCTGCCACGGTCCAA
TCTGCACAGAATATGCCATCAATAAGCTGCGGCAGGAAGGGAGTGAAGAGGGGATGTACGTGCTGAGGTG
GAGCTGCACCGACTTTGACAACATCTTATGACTGTCACCTGCTTTGAAAAGTCTGAGGTATTGGGTGCC



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CAGAAGCAGTTCAAGAACTTTCAGATTGAGGTACAGAAGGGCCGCTACAGCCTGCATGGCTCTATGGACC
 ACTTTCCAGCCTGCGAGACCTCATGAACCACCTCAAGAAGCAGATCCTGCGCACGGACAACATAAGCTT
 TGTGCTGAAACGATGCTGTGAGCCTAAGCCTCGAGAAATCTCCAATCTGCTCGTAGCCACTAAGAAAGCC
 CAGGAGTGGCAGCCTGTCTACTCCATGAGCCAGCTGAGCTTTGATCGGATCCTTAAGAAAGATATTATAC
 AAGGTGAGCACCTTGGCAGAGGCACAAGAACACATATCTATTCTGGGACCCTGCTGGACTACAAGGATGA
 GGAAGGAATTGCTGAAGAGAAGAAGATAAAAGTGATCCTCAAAGTCTAGACCCAGCCACCGGGACATC
 TCTCTGGCCTTCTTTGAGGCTGCTAGCATGATGAGACAGGTTTCCACAAACATATAGTGTACCTCTACG
 GCGTGTGTGTCGAGATGTGAAAATATCATGGTGAAGAGTTTGTGGAGGGGGCCGTTGGATCTCTT
 CATGCACCGAAAAGTGATGCGCTTACTACCCCTGGAAGTTCAAGGTTGCCAAACAGCTGGCCAGTGCC
 CTGAGTTACTTGAAGATAAAGACCTGGTTCATGGAAATGTGTGCACTAAAAACCTCTTCTGGCCCGTG
 AGGGCATTGACAGTGACATTGGCCCGTTCATCAAGCTTAGTGACCCTGGCATCCCAGTCTCTGTGCTGAC
 CAGGCAAGAGTGCATAGAGCGAATCCCCTGGATCGCTCCTGAGTGTGTTGAAGACTCCAAGAACCTGAGT
 GTGGCTGTGACAAGTGGAGCTTTGGAACCACGCTCTGGGAAATCTGCTACAACGGAGAGATTCTCTCA
 AAGACAAGACCCTCATTGAGAAAGAGAGGTTTTATGAAAGCCGCTGCAGGCTGTGACTCCATCTTGCAA
 GGAGCTAGCTGACCTCATGACTCGCTGCATGAACTATGACCCCAACCAGAGACCCTTCTCCGAGCCATC
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 TGGACCCCACTCACTTTGAAAAGCGGTTCTGAAGAGGATTCGTGACTTGGGAGAGGGTCACTTTGGGAA
 GGTGAGCTCTGCAGATATGATCCTGAGGGAGACAACACAGGGGAGCAGGTAGCTGTCAAGTCCCTGAAG
 CCTGAGAGTGGAGGTAACCACATAGCTGATCTGAAGAAGGAGATAGAGATCTTACGGAACCTCTACCATG
 AGAACATTGTGAAGTACAAAGGAATCTGCATGGAAGACGGAGGCAATGGTATCAAGCTCATCATGGAGTT
 TCTGCCTTCGGGAAGCCTAAAGGAGTATCTGCCAAAGAATAAGAACAAAATCAACCTCAACAGCAGCTA
 AATATGCCATCCAGATTTGTAAGGGGATGGACTACTTGGGTTCTCGGCAATACGTTACCGGGACTTAG
 CAGCAAGAAATGCCTTGTGAGAGTGAAGTCAAGTGAAGATCGGAGACTTTGGTTAAACCAAAGCAAT
 TGAACCGATAAAGGAGTACTACACAGTCAAGGACGACCGGGACAGCCAGTGTCTGGTACGCTCCGGAA
 TGTTTAATCCAGTGTAATTTTATATCGCCTCTGATGTCTGGTCTTTTGGAGTGACACTGCACGAGCTGC
 TCACTTACTGTGACTCAGATTTTGTCCATGGCCTTGTCTGAAAATGATAGGCCCAACTCATGGCCA
 GATGACAGTGACACGGCTTGTGAATACTCTGAAAGAAGGAAAGCGTCTGCCATGTCCACCCAACCTGTCT
 GATGAGGTTTATCAGCTTATGAGAAAATGCTGGGAATTCCAACCATCTAACCGGACAACCTTTTCAGAACC
 TTATTGAAGGATTTGAAGCACTTTAAAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1918_a08.zip
Restriction Sites: Sgfl-Mlul
ACCN: NM_146145
Insert Size: 3462 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_146145.2](#), [NP_666257.2](#)

RefSeq Size: 5299 bp

RefSeq ORF: 3462 bp

Locus ID: 16451

Cytogenetics: 4 46.19 cM