

Product datasheet for **MR227274**

Stat3 (NM_011486) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stat3 (NM_011486) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stat3
Synonyms:	1110034C02Rik; A; Aprf; AW109958
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR227274 representing NM_011486
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCAGTGGAAACAGCTGCAGCAGCTGGACACACGCTACCTGGAGCAGCTGCACCAGCTGTACAGCG
 ACAGCTTCCCATGGAGCTGCGGCAGTTCTGGCACCTTGGATTGAGAGTCAAGACTGGGCATATGCAGC
 CAGCAAAGAGTCACATGCCACGTTGGTGTTCATAATCTCTGGGTGAAATTGACCAGCAATATAGCCGA
 TTCCTGCAAGAGTCCAATGTCCTCTATCAGCACAACTTCGAAGAATCAAGCAGTTTCTGCAGAGCAGGT
 ATCTTGAGAAGCCAATGGAAATTGCCCGGATCGTGGCCGATGCCTGTGGGAAGAGTCTCGCCTCTCCA
 GACGGCAGCCACGGCAGCCAGCAAGGGGGCCAGGCCAACCCCAACAGCCGCCGTAGTGACAGAGAAG
 CAGCAGATGTTGGAGCAGCATCTCAGGATGTCCGGAAGCGAGTGCAGGATCTAGAACAGAAAATGAAGG
 TGGTGGAGAACCCTCAGGACGACTTTGATTTCACTACAAAACCCTCAAGAGCCAAGGAGACATGCAGGA
 TCTGAATGAAAACAACCAGTCTGTGACCAGACAGAAGATGCAGCAGCTGGAACAGATGCTCACAGCCCTG
 GACCAGATGCGGAGAAGCATTGTGAGTGAGCTGGCGGGGCTCTTGTGAGCAATGGAGTACGTGCAGAAGA
 CACTGACTGATGAAGAGCTGGCTGACTGGAAGAGGCGGCAGCAGATCGCGTGCATCGGAGGCCCTCCCAA
 CATCTGCCTGGACCGTCTGGAAAACCTGGATAAATTATTAGCAGAATCTCAACTTCAGACCCGCCAACAA
 ATTAAGAAAACCTGGAGGAGCTGCAGCAGAAAAGTGTCTACAAGGGCGACCCATCGTGCAGCACCGGCCCA
 TGCTGGAGGAGAGGATCGTGGAGCTGTTAGAAAATTAATGAAGAGTGCCTTCGTTGGTGGAGCGGCAGCC
 CTGCATGCCCATGCACCCGACCGGCCCTTAGTCATCAAGACTGGTGTCCAGTTTACCACGAAAGTCAGG
 TTGCTGGTCAAATTTCTGAGTTGAATTATCAGCTTAAATTAAGTGTGCATTGATAAAGACTCTGGGG
 ATGTTGCTGCCCTCAGAGGGTCTCGAAAATTTAACATTCTGGGCACGAACACAAAAGTGAATGAACATGGA
 GGAGTCTAAACAACGGCAGCCTGTCTGCAGAGTTCAAGCACCTGACCCCTTAGGGAGCAGAGATGTGGGAAT
 GGAGGCCGTGCCAATTGTGATGCCTCCTTGATCGTGACTGAGGAGCTGCACCTGATCACCTTCGAGACTG
 AGGTGTACCACCAAGGCCTCAAGATTGACCTAGAGACCCACTCCTTGCCAGTTGTGGTGTCTCCAACAT
 CTGTGAGATGCCAAATGCTTGGGCATCAATCCTGTGGTATAACATGCTGACCAATAACCCCAAGAACGTG
 AACTTCTTCACTAAGCCGCAATTGGAACCTGGACCAAGTGGCCGAGGTGCTCAGCTGGCAGTTCTCGT
 CCACCACCAAGCGGGGGCTGAGCATCGAGCAGCTGACAACGCTGGCTGAGAAGCTCCTAGGGCCTGGTGT
 GAACTACTCAGGGTGTGAGATCACATGGGCTAAATTTGCAAAGAAAACATGGCTGGCAAGGGCTTCTCC
 TTCTGGGTCTGGCTAGACAATATCATCGACCTTGTGAAAAGTATATCTTGGCCCTTTGGAATGAAGGGT
 ACATCATGGGTTTCATCAGCAAGGAGCGGGAGCGGCCATCCTAAGCACAAAGCCCCGGGCACCTTCTCT
 ACTGCGCTTCAGCGAGAGCAGCAAAGAAGGAGGGGTCACTTTCCTTGGGTGGAAAAGGACATCAGTGGC
 AAGACCCAGATCCAGTCTGTAGAGCCATACACCAAGCAGCAGCTGAACAACATGTCATTTGCTGAAATCA
 TCATGGGCTATAAGATCATGGATGCGACCAACATCCTGGTGTCTCCACTTGTCTACCTCTACCCCGACAT
 TCCCAAGGAGGAGGCATTTGAAAGTACTGTAGGCCCGAGAGCCAGGAGCACCCCGAAGCCGACCCAGGT
 AGTGCTGCCCCGTACCTGAAGACCAAGTTCATCTGTGTGACACCATTATTGATGCAGTTTGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

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_011486.5](#)

RefSeq Size: 4437 bp

RefSeq ORF: 2169 bp

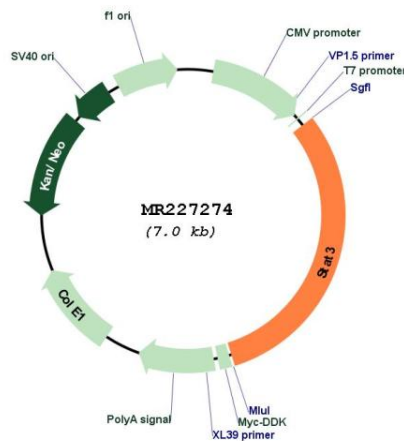
Locus ID: 20848

Cytogenetics: 11 63.82 cM

MW: 83.6 kDa

Gene Summary: The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein is activated through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. This protein mediates the expression of a variety of genes in response to cell stimuli, and thus plays a key role in many cellular processes such as cell growth and apoptosis. The small GTPase Rac1 has been shown to bind and regulate the activity of this protein. PIAS3 protein is a specific inhibitor of this protein. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Sep 2015]

Product images:



Circular map for MR227274