

Product datasheet for **SC218770**

STAT3 (NM_003150) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	STAT3 (NM_003150) Human 3' UTR Clone
Symbol:	STAT3
Synonyms:	ADMIO; ADMIO1; APRF; HIES
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_003150
Insert Size:	2000 bp



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Insert Sequence: >SC218770 3'UTR clone of NM_003150
 The sequence shown below is from the reference sequence of NM_003150. 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
TGACATGGAGTTGACCTCGGAGTGCCTACCTCCCCATGTGAGGAGCTGAGAACGGAAGCTGCAGAAA
GATACGACTGAGGCGCCTACCTGCATTCTGCCACCCCTCACACAGCCAAACCCAGATCATCTGAAACT
ACTAACTTTGTGGTTCCAGATTTTTTTAATCTCTACTTCTGCTATCTTTGAGCAATCTGGGCACTTT
TAAAAATAGAGAAATGAGTGAATGTGGGTGATCTGCTTTTATCTAAATGCAAATAAGGATGTGTTCTCT
GAGACCCATGATCAGGGGATGTGGCGGGGGTGGCTAGAGGGAGAAAAAGGAAATGCTTGTGTTGTTT
TGTTCCCTGCCCTCCTTCTCAGCAGCTTTTTGTTATTGTTGTTGTTGTTCTTAGACAAGTGCCTCCT
GGTGCCTCGGCATCCTTCTGCCTGTTTCTGTAAGCAAATGCCACAGGCCACCTATAGCTACATACTCC
TGGCATTGCACCTTTTTAACCTTGTGACATCCAAATAGAAGATAGGACTATCTAAGCCCTAGGTTTCTT
TTTAAATTAAGAAATAATAACAATTAAGGGCAAAAAACACTGTATCAGCATAGCCTTTTCTGATTTAA
GAAACTTAAGCAGCCGGGCATGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGCGGATC
ATAAGGTCAGGAGATCAAGACCATCCTGGCTAACACGGTAAACCCCGTCTACTAAAAGTACAAAAA
ATTAGCTGGGTGTGGTGGTGGGCGCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATCGCTT
GAACCTGAGAGGCGGAGGTTGCAGTGCAGCAAAATGCACCACCTGCACACTGCACCTCCATCCTGGGCGA
CAGTCTGAGACTCTGTCTCAAAAAAAAAAAAAAAAAAGAACTTCAGTTAACAGCCTCCTTGGTGCT
TTAAGCATTGAGTTCCTTCAGGCTGGTAATTTATATAATCCCTGAAACGGGCTTCAGGTCAAACCTT
AAGACATCTGAAGCTGCAACCTGGCCTTTGGTGTGAAATAGGAAGGTTTAAAGGAGAATCTAAGCATT
TAGACTTTTTTTATAAATAGACTTATTTTCTTTGTAATGTATTGGCCTTTTAGTGAGTAAGGCTGGG
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TTCTGTGGGTGCCTTATCAGGGCTGGGATACTTCTGATTCTGGCTTCTTCTGCCCCACCTCCCGAC
CCCAGTCCCCTGATCCTGCTAGAGGCATGTCTCCTTGCCTGCTAAAGGTCCCTCATCCTGTTTGT
TAGGAATCCTGGTCTCAGGACCTCATGGAAGAAGAGGGGAGAGGTTACAGGTTGGACATGATGCACA
CTATGGGGCCCCAGCGACGTGTCTGGTTGAGCTCAGGGAATATGGTTCTTAGCCAGTTTCTTGGTGATA
TCCAGTGGCACTGTAATGGCGTCTTCATTGAGTTCATGCAGGGCAAAGGCTTACTGATAAACTTGAGT
CTGCCCTCGTATGAGGGTATACCTGGCCTCCCTCTGAGGCTGGTACTCCTCCTGCTGGGGCCCCA
CAGGTGAGGCAGAACAGCTAGAGGGCCTCCCCGCCTGCCGCCTTGGCTGGCTAGCTCGCCTCCTCTGT
GCGTAT
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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- Restriction Sites:** Sgfl-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_003150.4](#)

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. This gene also plays a role in regulating host response to viral and bacterial infections. Mutations in this gene are associated with infantile-onset multisystem autoimmune disease and hyper-immunoglobulin E syndrome. [provided by RefSeq, Aug 2020]

Locus ID:

6774

MW:

64.3