

Product datasheet for **SC215993**

STAT1 (NM_007315) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	STAT1 (NM_007315) Human 3' UTR Clone
Symbol:	STAT1
Synonyms:	CANDF7; IMD31A; IMD31B; IMD31C; ISGF-3; STAT91
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_007315
Insert Size:	1584 bp



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Insert Sequence: >SC215993 3'UTR clone of NM_007315
 The sequence shown below is from the reference sequence of NM_007315. 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
GAATTCGACAGTATGATGAACACAGTATAGAGCATGAATTTTTTTCATCTTCTGCGACAGTTTTCC
TTCTCATCTGTGATTCCCTCCTGCTACTCTGTTCTTCACATCCTGTGTTTCTAGGGAAATGAAAGAAA
GGCCAGCAAATTCGCTGCAACCTGTTGATAGCAAGTGAATTTTTCTAACTCAGAAACATCAGTTACT
CTGAAGGGCATCATGCATCTTACTGAAGGTAAAATTGAAAGGCATTCTCTGAAGAGTGGGTTTCACAAG
TGAAAAACATCCAGATACACCCAAAGTATCAGGACGAGAATGAGGGTCTTTGGGAAAGGAGAAGTTAA
GCAACATCTAGCAAATGTTATGCATAAAGTCAGTGCCCAACTGTTATAGTTGTTGGATAAATCAGTGG
TTATTTAGGGAAGTCTTGACGTAGGAACGGTAAATTTCTGTGGGAGAATTTTACATGTTTTCTTTGC
TTTAAGTGAAGTGGCAGTTTTCCATTGGTTTACCTGTGAAATAGTTCAAAGCCAAGTTTATATACAAT
TATATCAGTCCTCTTTCAAAGGTAGCCATCATGGATCTGGTAGGGGAAAATGTGTATTTTATTACATC
TTTCACATTGGCTATTTAAAGACAAAGACAAATTTCTGTTTCTTGAGAAGAGAATATTAGCTTTACTGTT
TGTTATGGCTTAATGACACTAGCTAATATCAATAGAAAGGATGTACATTTCCAAATTCACAAGTTGTGTT
TGATATCCAAAGCTGAATACATTCTGCTTTTCATCTTGGTCACATACAATATTTTTACAGTTCTCCCAA
GGGAGTTAGGCTATTCACAACCACTCATTCAAAGTTGAAATTAACCATAGATGTAGATAAACTCAGAA
ATTTAATTCATGTTTCTTAAATGGGCTACTTTGTCCTTTTTGTTATTAGGGTGGTATTTAGTCTATTAG
CCACAAAATTGGGAAAGGAGTAGAAAAAGCAGTAACTGACAACCTGAATAATACACCAGAGATAAATAG
AGATCAGATCATTTCAAAACCTATTTCCATGTAAGTGCATTGAGAAGTGCATATGTTTCGCTGATAT
ATGTGTTTTTTCACATTTGCGAATGGTTCCATTCTCTCCTGTACTTTTTCCAGACACTTTTTTGAGTG
GATGATGTTTCGTGAAGTAACTGTATTTTACCTTTTTCTTCTTATCACTGACACAAAAAGTAGAT
TAAGAGATGGGTTTGACAAGTTCTTCCCTTTTACATACTGCTGTCTATGTGGCTGTATCTGTTTTTC
CACTACTGCTACCACAATAATATATCATGCAAAATGCTGTATTCTTCTTTGGTGGAGATAAAGATTCT
TGAGTTTTGTTTTAAAATTAAGCTAAAGTATCTGTATTGCATTAATATAATATGCACACAGTCTTT
CCGTGGCACTGCATACAATCTGAGGCCTCTCTCAGTTTTTATATAGATGGCGAGAACCTAAGTTTC
AGTTGATTTTACAATTGAAATGACTAAAAACAAGAAGACAACATTAACAATATTGTTTCTAA
ACGCGTAAAGCGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: 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 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_007315.4](#)

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. The protein encoded by this gene can be activated by various ligands including interferon-alpha, interferon-gamma, EGF, PDGF and IL6. This protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens. The protein plays an important role in immune responses to viral, fungal and mycobacterial pathogens. Mutations in this gene are associated with Immunodeficiency 31B, 31A, and 31C. [provided by RefSeq, Jun 2020]

Locus ID:

6772

MW:

62