

## Product datasheet for **SC216597**

### STAT2 (NM\_005419) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	STAT2 (NM_005419) Human 3' UTR Clone
Symbol:	STAT2
Synonyms:	IMD44; ISGF-3; P113; PTORCH3; STAT113
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_005419
Insert Size:	1822 bp



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**Insert Sequence:** >SC216597 3'UTR clone of NM\_005419  
The sequence shown below is from the reference sequence of NM\_005419. 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
GATGGACCCTTGATGCCTTCTGACTTCTAGGAACCACATTTCCTCTGTTCTTTTCATATCTTTGCCCT
TCTACTCCTCATAGCATGATATTGTTCTCCAAGGATGGGAATCAGGCATGTGTCCCTTCCAAGCTGTG
TAACTGTTCAAACCTCAGGCCTGTGTGACTCCATTGGGGTGAGAGGTGAAAGCATAACATGGGTACAGA
GGGGACAACAATGAATCAGAACAGATGCTGAGCCATAGGTCTAAATAGGATCCTGGAGGCTGCCTGCTG
TGCTGGGAGGTATAGGGTCTGGGGCAGGCCAGGCCAGTTGACAGGTAAGTGGAGGGCTCAGGGCAG
TGGCTTCTTTCCAGTATGGAAGGATTTCAACATTTTAATAGTTGGTTAGGCTAACTGGTGCATACTGG
CATTGGCCCTTGGTGGGAGCACAGACACAGGATAGGACTCCATTTCTTTCTTCCATTCTTTCATGTCT
AGGATAACTTGCTTTCTTTCTTTACTCCTGGCTCAAGCCCTGAATTTCTTCTTTCTGCAGGGG
TTGAGAGCTTTCTGCCTAGCCTACCATGTGAAACTCTACCCTGAAGAAAGGGATGGATAGGAAGTAGA
CCTCTTTTTCTTACCAGTCTCCTCCCCTACTCTGCCCTAAGCTGGCTGTACCTGTTCTCCCCCATAA
AATGATCTGCCAATCTAATGTGAGTGTGAAGCTTGCACACTAGTTTATGCTACCTAGTCTCCACTTT
CTCAATGCTTAGGAGACAGATCACTCCTGGAGGCTGGGGATGGTAGGATTGCTGGGGATTTTTTTTTT
TAAACAGGGTCTCACTCTGTTGCCAGGCTAGAGTGCAATGGTCAATCACAGCTCACTGCAGCCTCA
ACCTCTGGGTCAAGCAATCCTCCTACCTCAGCCTCCTGGTAGCTAGCACCATGGCATGCGCCACCA
TGCCCTATTTTTTTTTTAAAGACAGGGTCTTGCTATATTGCCAGGCTGGTCTTGAAGTGGGCTCAA
GTGATCCTCACGCCTTGGCCTCCAAAGTCTGGGATTATAGGCATGAGCCACTGTGCTTGGCCAGGAT
TTTTTTTTTTTTTTTTGAGATGGAGTTCTCTCTTGTGTTCCAGGCTGGAGTGAATGGTGTGATCT
CGGCTCACTGCAACCTCCGCCTCCGGGTTCAAGTGACTCTCCTGCCTCAGCCTCCCAGTAGTGGGA
TTACAGATCTGCACCACCATGCCAGCTAATTTGTATTTTATAGTAGAGACGGGGTTTCTCCATGTTGG
TCAGGCTGGTCTCGAACTCCTGACCTCAAGTATCTGTCCACCTCGGCCTCCCAGAGTGTGGGATTAC
AGGCGTGAGCCACTGTTCCAGCAGGAATTTCTTTTTATAGTATTGGATAAAGTTTGGTGTTTTACA
GAGGAGAAGCAATGGGTCTTAGCTCTTTCTCTATTATGTTATCATCCTCCCTTTTTTGTACAATATGTT
GTTTACCTGAAAGGAAGTTTCTATTCTGTTGGTGTGGACCTGGACAAAGTCCAAGTCTGTGGAAGTAA
AACCTTGAAGGTCTGTATAGGACTCTGGACAATCTCACACCTAGCTATCCCAGGGAACCCAGGG
GGCAACTGACATTGCTCCAAGATGTTCTCCTGATGTAGCTTGGATATAAAGGAAAGGCCCTGCACAGG
TGCTGTTTCTGTCTGTATGTGAGAGAACAGTCTGTTTCAGAAAGGGCTCTTCTGAGCAGAAATG
GCTAATAAACTTTGTGCTGATCTGGAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-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\\_005419.4](#)

**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. In response to interferon (IFN), this protein forms a complex with STAT1 and IFN regulatory factor family protein p48 (ISGF3G), in which this protein acts as a transactivator, but lacks the ability to bind DNA directly. The protein mediates innate antiviral activity. Mutations in this gene result in Immunodeficiency 44. [provided by RefSeq, Aug 2020]

**Locus ID:**

6773

**MW:**

68.1