

Product datasheet for **RN200448**

Stat1 (NM_001034164) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stat1 (NM_001034164) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Stat1
Synonyms:	DD6G4-4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200448 representing NM_001034164
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTCGACAGTGGTACGAGCTTCAGCAGCTGGACTCCAAGTTCCTGGAGCAGGTGCACCAGCTGTACGATG
ACAGTTTTCCCATGGAAATCAGACAGTACTGGCCAGTGGCTAGAAAAGCAAGACTGGGAGCATGCTGC
CTACGACGTCTCGTTCGCCACCATCCGCTTCCATGACCTGCTCTCCAGCTGGATGACCAGTACAGCCGC
TTTTCTTTGGAGAATAATTTCTTGTTCAGCACAACATAAGGAAAAGCAAGCGTAATCTCCAGGATAACT
TCCAAGAAGATCCCGTACAGATGCCATGATCATCCACAACCTGTCTGAAGGAGGAGAGGAAGATTTGGA
AAACGCCAGCGATTTAATCAGGCCCAGGAGGAAATATTCAGAACACCGTGATGTTAGATAAACAGAAG
GAGCTGGACAGTAAAGTCAGAAATGTGAAGGACCAAGTCATGTGCATAGAGCATGAAATCAAGACCTAG
AAGACTTACAAGATGAATATGACTTTAAATGCAAAACCTCTCAGAACAGAGAAAGCGAAGCCAATGGTGT
GGCGAAGAGCGACCAGAAACAGGAACAGCTGCTGCTGCATAAGATGTTCTTAATGCTTGACAACAAGAGA
AAGGAGATAAATCACAAAATCAGAGAGCTGCTGAACTCCATCGAGCTCACTCAGAACACTCTGATTAATG
ATGAGCTTGTGGAGTGGAAAGCAAGACAGCAGAGTGCCTGCATTGGGGGACCGCCCAATGCCTGCCTGGA
TCAGCTGCAAAGCTGTTTACCATTGTTGCAGAGAGCCTGCAGCAGGTCCGTGACAGCTTAAAAAGCTG
GAGGAGTTGGAACAGAAATTCACCTATGAGCAGGACCCTATTACAAAAACAAGCAGGTGTTATCCGATC
GCACCTTCGTCTCTTCCAGCAGCTCATTAGAGCTCCTTTGGTGGAAACGACAGCCGTGCATGCCAAC
TCACCTCAGAGGCCCTGGTCTTGAAGACTGGGTACAGTTCAGTGTGAAGCTGAGACTGTTGGTAAA
TTGCAAGAAGTGAAGTAACTTGAAGTGAAGTCTCATTGACAAAGATGTGAACGAGAAAAACACAG
TGAAAGGATCCGGAAGTCAACATCTTGGTACTCACAAAAAGTGATGAACATGGAAGAATCCACCAA
CGGAAGTTTGGCAGCTGAGTCCGACACCTGCAACTGAAGGAACAGAAAAATGCTGGGAACAGAACCAAT
GAGGGTCTCTCATTGTACCGAAGAAGTCACTCTTCTTACTTTGAAACCCAGTTGTGCCAGCCAGGCT
TGGTGATTGACCTTGAGACCACCTCTTCCCGTGGTGGTATCTCCAATGTCAGCCAGCTCCCCAGTGG
CTGGGCTTCTATCCTGTGGTACAACATGCTGGTGACAGAGCCAGGAATCTCTCTTCTTCTGAAACCC
CCGTGTGCGTGGTGGTCCAGCTCTCAGAGGTGCTGAGTTGGCAGTTTTCTGTCAGTCACCAAGAGAGGTC
TCAACGCTGACCAGCTGAGCATGCTGGGGGAGAAGCTTCTGGCCCTAATGCTGGCCCTGATGGTCTTAT
TCCATGGACAAGTTCTGTAAGGAAAATTAACGATAAGAATTTCTCTTCTGGCCTTGGATTGACACC
ATCCTAGAAGTCAATTAAGAAGCACCTGCTTGGCTCTGGAATGATGGGTGCATCATGGGCTTATCAGCA
AGGAGCGAGAACGTGCTCTGCTCAAGGACAGCAGCCCGGACGTTCTCTGCTTAGGTTAGTGGAGAGCTC
CCGGGAAGGGGCCATCACATTCACATGGGTGGAACGGTCCCAAAATGGAGGTGAACCCGACTTCCATGCT
GTTGAGCCCTACACGAAGAAAGAACTTTAGCTGTTACTTTCCAGATATTATTGCAATTACAAAGTCA
TGGCTGCTGAGAAATACCAGAGAATCCCTGAAGTATCTGTATCCCAATATTGACAAAGACCATGCCTT
CGGGAAGTACTACTCCAGGCCAAAGGAAGCACCAGAACCGATGGAGCTCGATGACCCTAAGAGAAGTGA
TACATCAAGACTGAGTTGATTTCTGTGTCTGAAGT**GTA**A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001034164
Insert Size: 2139 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<ol style="list-style-type: none">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:	<u>NM_001034164.1, NP_001029336.1</u>
RefSeq Size:	2772 bp
RefSeq ORF:	2139 bp
Locus ID:	25124
Cytogenetics:	9q22
Gene Summary:	component of the IFN-gamma receptor signaling pathway and other signaling pathways; plays a role in development of cytokine resistance [RGD, Feb 2006] Transcript Variant: This variant (beta) differs in the 3' coding region and 3' UTR compared to variant alpha. The resulting protein (isoform beta) is shorter and has a distinct C-terminus compared to isoform beta.