

## Product datasheet for **RR215525**

### Stat4 (NM\_001012226) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Stat4 (NM_001012226) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stat4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR215525 representing NM\_001012226  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCTCAGTGGAAATCAAGTCCAACAATTAGAATCAAGTTTTGGAGCAAGTAGATCAGTTCTATGATG  
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 TTCACGGAAATCCAATGCATGTAGCTGTGGTCATTTCAAATTGCTTAAGGGAAGAGAGGAGAATACTGGC  
 TGGCGCAACATGCCTATCCAGGGACCTCTGGAGAAATCTTACAGAGCTCTTCAGTTTCAGAAAGACAG  
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 TGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
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Protein Sequence: >RR215525 representing NM\_001012226  
 Red=Cloning site Green=Tags(s)

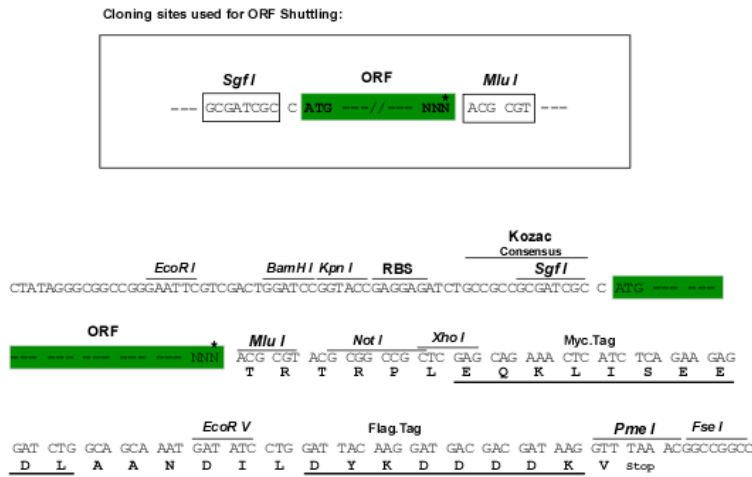
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 EQSTKMTYEGDPIPAQRVHLLERATFLIYNLFKNSFVVERQPCMPHPQRPVMLKTLIQFTVKLRLLIKL  
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 ARLSALPFADILRDYKVI MAENIPENPLKYL YPDIPKDKAFGKHYSQPCEVSRP TERGDKGYVPSVFI P  
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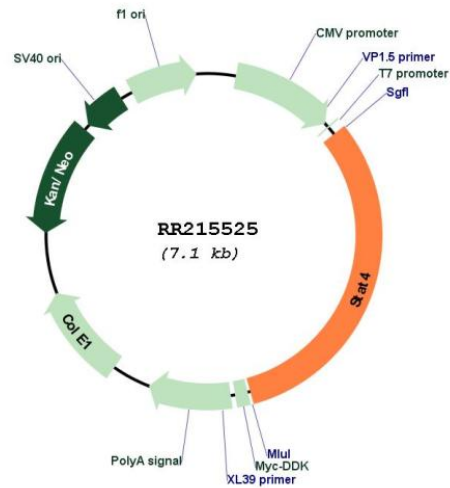
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


**ACCN:** NM\_001012226

**ORF Size:** 2244 bp

**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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**

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\\_001012226.1](#), [NP\\_001012226.1](#)

**RefSeq Size:** 3007 bp

**RefSeq ORF:** 2247 bp

Locus ID: 367264  
Cytogenetics: 9q22  
MW: 85.9 kDa