

Product datasheet for **SC330191**

STAT4 (NM_001243835) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STAT4 (NM_001243835) Human Untagged Clone
Tag:	Tag Free
Symbol:	STAT4
Synonyms:	SLEB11
Vector:	pCMV6-Entry (PS100001)

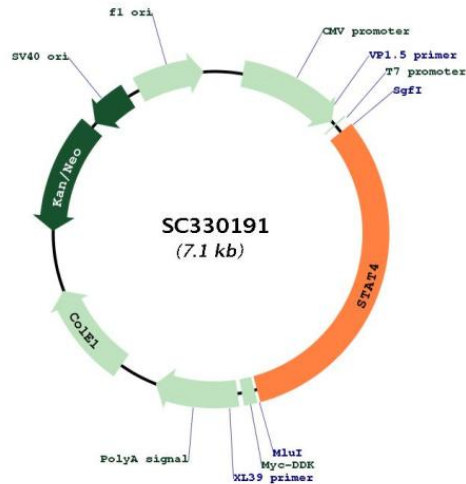


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Fully Sequenced ORF: >SC330191 representing NM_001243835.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001243835

Insert Size: 2247 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:

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_001243835.1](#)

RefSeq Size: 2789 bp

RefSeq ORF: 2247 bp

Locus ID: 6775

UniProt ID: [Q14765](#)

Cytogenetics: 2q32.2-q32.3

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Jak-STAT signaling pathway

MW: 85.9 kDa

Gene Summary: The protein encoded by this gene is a member of the STAT family of transcription factors. 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 essential for mediating responses to IL12 in lymphocytes, and regulating the differentiation of T helper cells. Mutations in this gene may be associated with systemic lupus erythematosus and rheumatoid arthritis. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Aug 2011]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.