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Product datasheet for RC206892L2V

STAT4 (NM_003151) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	STAT4 (NM_003151) Human Tagged ORF Clone Lentiviral Particle
Symbol:	STAT4
Synonyms:	SLEB11
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_003151
ORF Size:	2244 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206892).
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.
RefSeq:	NM_003151.2
RefSeq Size:	2840 bp
RefSeq ORF:	2247 bp
Locus ID:	6775
UniProt ID:	Q14765
Cytogenetics:	2q32.2-q32.3
Domains:	SH2, STAT
Protein Families:	Druggable Genome, Transcription Factors

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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]