

## Product datasheet for **KN206892LP**

### STAT4 Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	STAT4
Locus ID:	6775
Components:	<p><b>KN206892G1</b>, STAT4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN206892G2</b>, STAT4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN206892LPD</b>, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.</p> <p><b>GE100003</b>, scramble sequence in pCas-Guide vector</p>
RefSeq:	<a href="#">NM_001243835</a> , <a href="#">NM_003151</a>
UniProt ID:	<a href="#">Q14765</a>
Synonyms:	SLEB11
Summary:	<p>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]</p>



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## Product images:

