

Specifications:

Gene:	hSTAT4
Accession:	NP_003142
Insert size:	2260bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

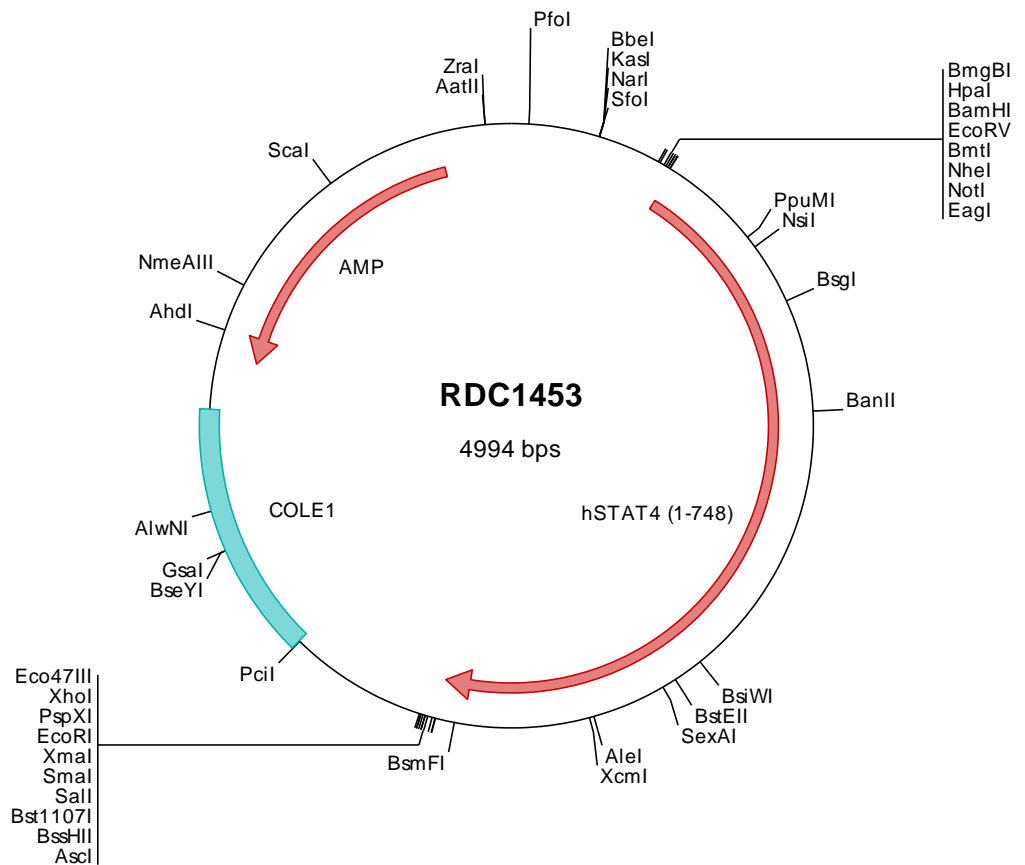
hSTAT4 cDNA Plasmid

STAT4 signal transducer and activator of transcription 4 [*Homo sapiens* (human)]

Also known as: SLEB11

Summary:

STAT4 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. STAT4 is essential for mediating responses to IL12 in lymphocytes, and regulating the differentiation of T helper cells. Mutations in STAT4 may be associated with systemic lupus erythematosus and rheumatoid arthritis. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1453 Plasmid DNA Sequence

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> RDC1453 Translated Insert Sequence

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