

Specifications:

Gene:	<i>hSTAT2</i>
Accession:	NP_005410.1
Insert size:	2569bp
Concentration:	10µg at 0.2µg/µL

**hSTAT2 cDNA
Plasmid**

**STAT2 signal transducer and
activator of transcription 2
[*Homo sapiens* (human)]**

Also known as: P113; IMD44; ISGF-3; PTORCH3; STAT113

Summary:

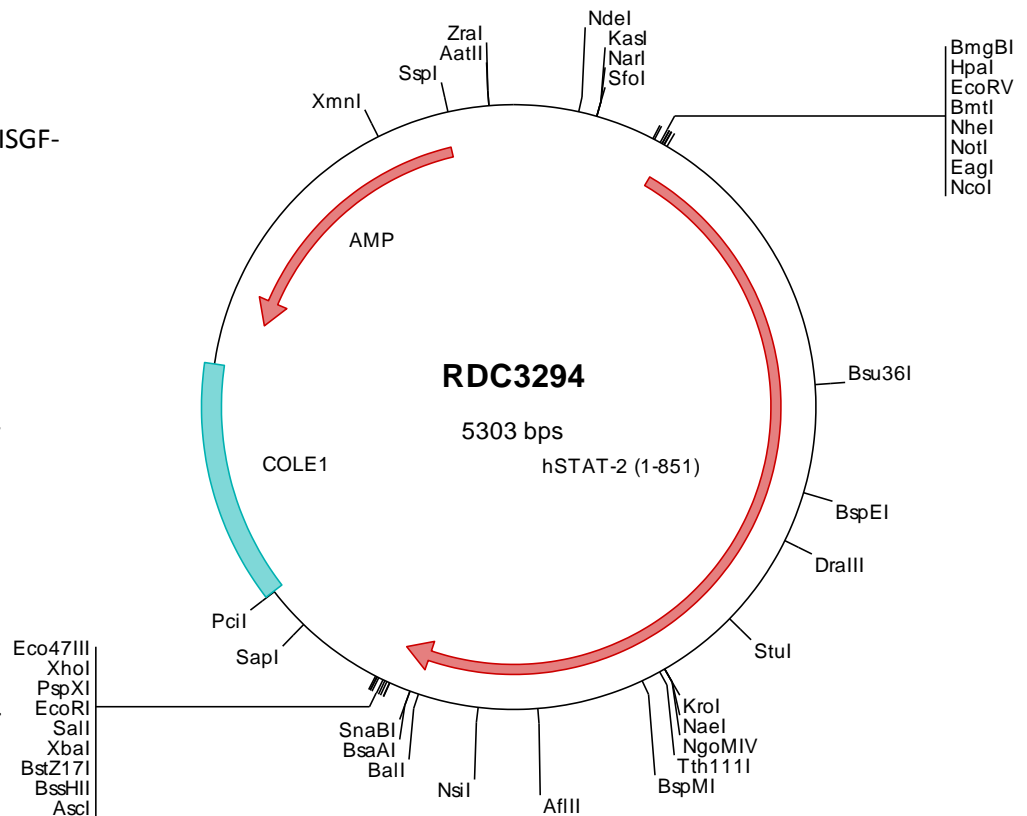
STAT2 is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. In response to interferon (IFN), STAT2 forms a complex with STAT1 and IFN regulatory factor family protein p48 (ISGF3G), in which STAT2 acts as a transactivator, but lacks the ability to bind DNA directly. It mediates innate antiviral activity. Mutations in STAT2 result in Immunodeficiency 44.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3294 Plasmid DNA Sequence

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1 tcgcgcgctt cggatgatgac ggtgaaaacc totgacacat gcagctcccg gagacgggtca cagcttgtct gtaagcggat gccggggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatagcgc gtgtgaaata
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> RDC3294 Translated Insert Sequence

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