

**Specifications:**

Gene:	hJAK1
Accession:	NP_001307852.1
Insert size:	3478bp
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.

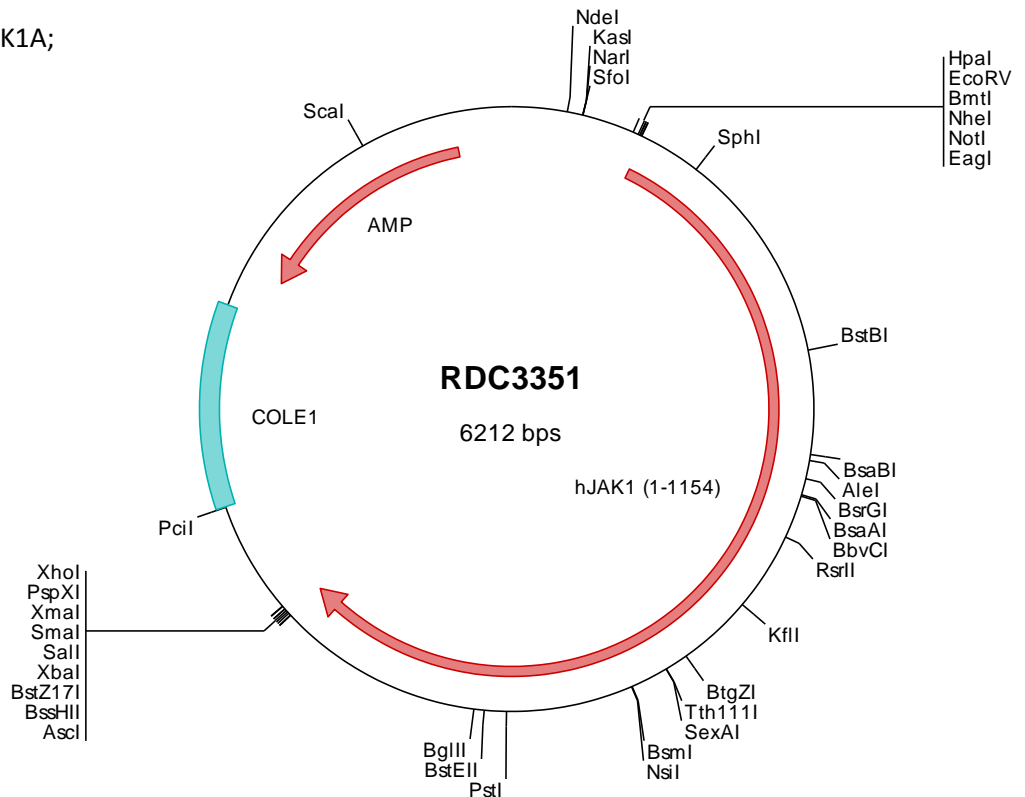
**hJak1 cDNA Plasmid**

**JAK1 Janus kinase 1 [ *Homo sapiens* (human) ]**

**Also known as:** JTK3; AIIDE; JAK1A; JAK1B

**Summary:**

JAK1 is a membrane protein that is a member of a class of protein-tyrosine kinases (PTK) characterized by the presence of a second phosphotransferase-related domain immediately N-terminal to the PTK domain. It phosphorylates STAT proteins (signal transducers and activators of transcription) and plays a key role in interferon-alpha/beta, interferon-gamma, and cytokine signal transduction. JAK1 also plays a crucial role in effecting the expression of genes that mediate inflammation, epithelial remodeling, and metastatic cancer progression.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

