

Specifications:

Gene:	hPIAS1
Accession:	NP_057250.1
Insert size:	1969bp
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.

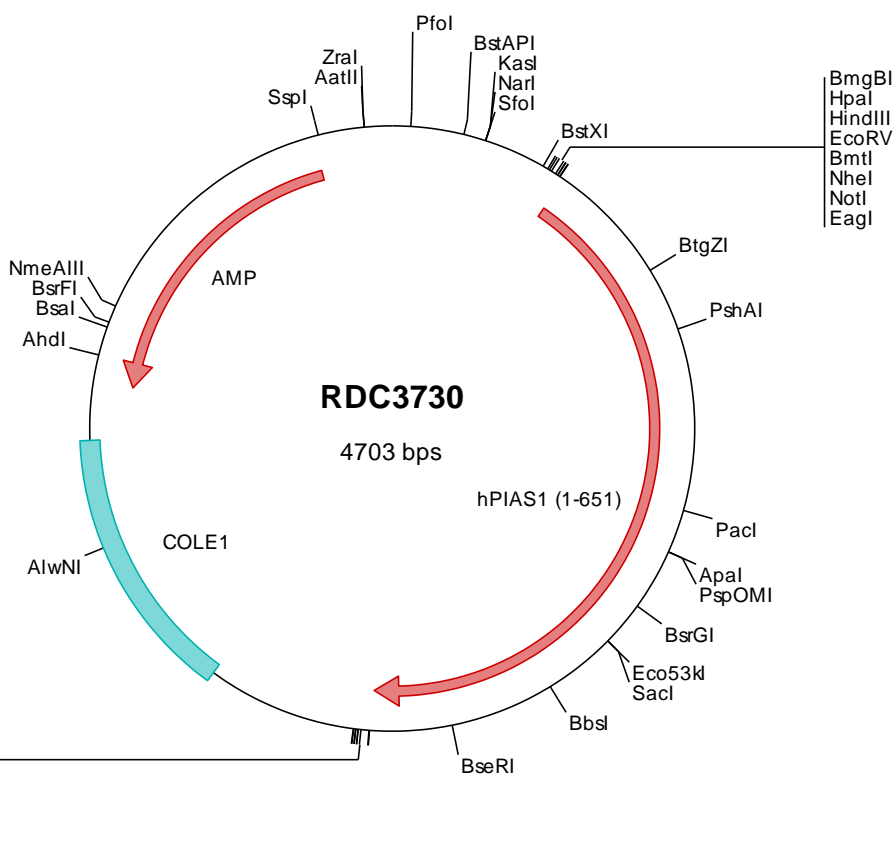
hPIAS1 cDNA Plasmid

PIAS1 protein inhibitor of activated STAT 1 [*Homo sapiens* (human)]

Also known as: GBP; ZMIZ3; DDXBP1; GU/RH-II

Summary:

PIAS1 is a member of the protein inhibitor of activated STAT (PIAS) family. PIAS proteins function as SUMO E3 ligases and play important roles in many cellular processes by mediating the sumoylation of target proteins. PIAS1 plays a central role as a transcriptional coregulator of numerous cellular pathways including the STAT1 and nuclear factor kappaB pathways. Alternate splicing results in multiple transcript variants.



> RDC3730 Plasmid DNA Sequence

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1 tcgctgctgtt cggatgatgac ggtgaaaacc totgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
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201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attgccatt caggctcgcg aactgttggg aagggcgatc ggtcgggcc tcttcctat
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> RDC3730 Translated Insert Sequence

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1 madsaelkqm vmslrvselq vllgyagrnk hgrkhelltk alhlkagcs pavqmkiel yrrrfpqkim tpadlsipnv hssmpatls pstipqltyd
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