

Specifications:

| | |
|----------------|------------------|
| Gene: | <i>hPIAS3</i> |
| Accession: | NP_006090.2 |
| Insert size: | 1900bp |
| 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. |

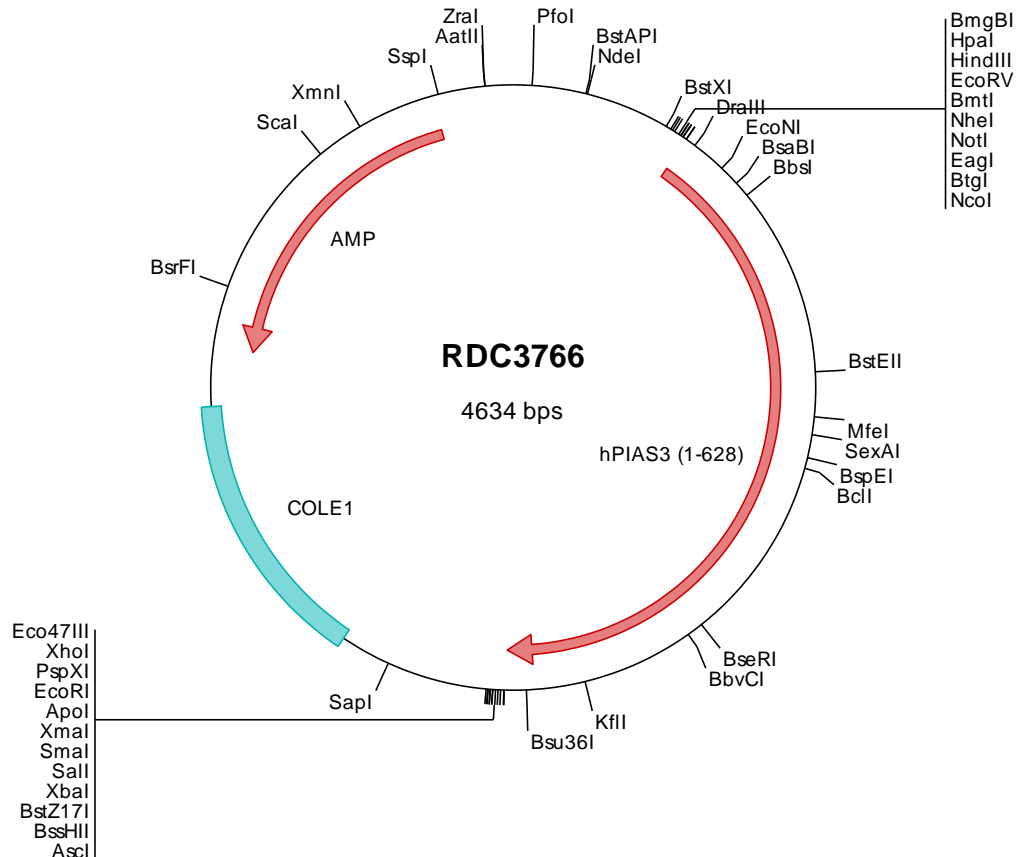
**hPIAS3 cDNA
Plasmid**

PIAS3 protein inhibitor of activated STAT 3 [*Homo sapiens* (human)]

Also known as: ZMIZ5

Summary:

PIAS3 is a member of the PIAS [protein inhibitor of activated STAT (signal transducer and activator of transcription)] family of transcriptional modulators. It functions as a SUMO (small ubiquitin-like modifier)-E3 ligase which catalyzes the covalent attachment of a SUMO protein to specific target substrates. PIAS3 directly binds to several transcription factors and either blocks or enhances their activity. Alternatively spliced transcript variants of PIAS3 have been identified, but the full-length nature of some of these variants has not been determined.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3766 Plasmid DNA Sequence

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1   tcgctgctgtt  cggatgatgac  ggtgaaaacc  totgacacat  gcagctcccc  gagacgggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccc
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> RDC3766 Translated Insert Sequence

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