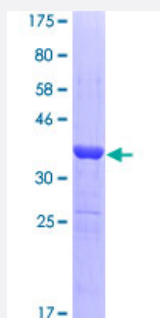


# PIAS3 (Human) Recombinant Protein (Q01)

Catalog # H00010401-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human PIAS3 partial ORF ( NP_006090, 453 a.a. - 550 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	PPTKKHC SVTSA AIPALPGSKG VLTSGHQ PSSVLRSPAMGTLGGDFLSSLPLHEYPPAFPLGADI QGLDLFSFLQTESQHYGPSVITSLDEQDALGHF
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	36.52
<b>Interspecies Antigen Sequence</b>	Mouse (96); Rat (96)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — PIAS3

Entrez GeneID [10401](#)

GeneBank Accession# [NM\\_006099](#)

Protein Accession# [NP\\_006090](#)

Gene Name PIAS3

Gene Alias FLJ14651, ZMIZ5

Gene Description protein inhibitor of activated STAT, 3

Omim ID [605987](#)

Gene Ontology [Hyperlink](#)

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

**Other Designations** OTTHUMP00000015586|zinc finger, MIZ-type containing 5

## Pathway

- [Jak-STAT signaling pathway](#)
- [Pathways in cancer](#)

- [Small cell lung cancer](#)
- [Ubiquitin mediated proteolysis](#)