

Recombinant Human PIAS3 protein, His & GST-tagged

Cat. No. PIAS3-1245H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PIAS3 aa. (Val11~Leu280 (Accession # Q9Y6X2) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Val11~Leu280
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 59.9kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>90%

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Characteristic	The isoelectric point is 9.7.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	PIAS3 protein inhibitor of activated STAT 3 [Homo sapiens (human)]
Official Symbol	PIAS3
Synonyms	PIAS3; protein inhibitor of activated STAT 3; ZMIZ5; E3 SUMO-protein ligase PIAS3; protein inhibitor of activated STAT protein 3; zinc finger, MIZ-type containing 5
Gene ID	10401
mRNA Refseq	NM_006099.3

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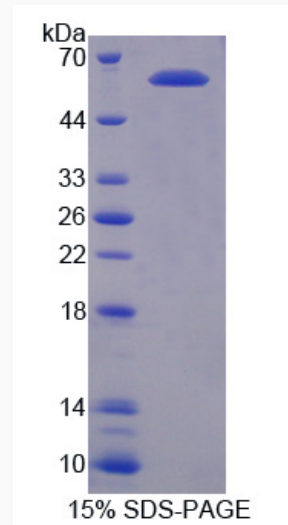
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Protein Refseq NP_006090.2

UniProt ID Q9Y6X2

SDS-PAGE



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