

Recombinant Human PIAS3 293 Cell Lysate

Cat. No. PIAS3-3202HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for protein inhibitor of activated STAT, 3 (PIAS3) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

PIAS3 protein inhibitor of activated STAT, 3 [Homo sapiens]

Official Symbol

PIAS3

Synonyms

PIAS3; protein inhibitor of activated STAT, 3; E3 SUMO-protein ligase PIAS3; FLJ14651; zinc finger; MIZ type containing 5; ZMIZ5; zinc finger, MIZ-type containing 5; protein inhibitor of activated STAT protein 3;

Gene ID

10401

mRNA Refseq

NM_006099

Protein Refseq

NP_006090

MIM

605987

UniProt ID

Q9Y6X2

**Chromosome
Location**

1q21

Pathway

Androgen Receptor Signaling Pathway, organism-specific biosystem; C-MYB transcription factor network, organism-specific biosystem; Coregulation of Androgen receptor activity, organism-specific biosystem; Hepatitis C, organism-specific biosystem; Hepatitis C, conserved biosystem; IL6-mediated signaling events,

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organism-specific biosystem; Jak-STAT signaling pathway, organism-specific biosystem;

Function

SUMO ligase activity; enzyme binding; ligase activity; metal ion binding; nucleic acid binding; potassium channel regulator activity; protein C-terminus binding; protein N-terminus binding; protein binding; zinc ion binding;

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