

Recombinant Human PIAS1 293 Cell Lysate

Cat. No. PIAS1-3205HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for protein inhibitor of activated STAT, 1 (PIAS1) 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

PIAS1 protein inhibitor of activated STAT, 1 [Homo sapiens]

Official Symbol

PIAS1

Synonyms

PIAS1; protein inhibitor of activated STAT, 1; DDXBP1, DEAD/H (Asp Glu Ala Asp/His) box binding protein 1; E3 SUMO-protein ligase PIAS1; GBP; GU/RH II; zinc finger; MIZ type containing 3; ZMIZ3; gu-binding protein; AR interacting protein; DEAD/H box-binding protein 1; RNA helicase II-binding protein; zinc finger, MIZ-type containing 3; protein inhibitor of activated STAT-1; protein inhibitor of activated STAT protein 1; DEAD/H (Asp-Glu-Ala-Asp/His) box binding protein 1; DDXBP1; GU/RH-II; MGC141878; MGC141879;

Gene ID

8554

mRNA Refseq

NM_016166

Protein Refseq

NP_057250

MIM

603566

UniProt ID

O75925

**Chromosome
Location**

15q

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Pathway

Androgen Receptor Signaling Pathway, organism-specific biosystem; Coregulation of Androgen receptor activity, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Hedgehog signaling events mediated by Gli proteins, organism-specific biosystem; Hepatitis C, organism-specific biosystem; Hepatitis C, conserved biosystem; IFN-gamma pathway, organism-specific biosystem;

Function

DNA binding; SUMO ligase activity; androgen receptor binding; enzyme binding; ligase activity; metal ion binding; protein binding; transcription coactivator activity; transcription corepressor activity; ubiquitin protein ligase binding; zinc ion binding;

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