

Recombinant Human PIAS2 293 Cell Lysate

Cat. No. PIAS2-3203HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for protein inhibitor of activated STAT, 2 (PIAS2), transcript variant beta is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid (True ORF cDNA clone RC212659, OriGene Technologies, Inc.) 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

PIAS2 protein inhibitor of activated STAT, 2 [Homo sapiens]

Official Symbol

PIAS2

Synonyms

PIAS2; protein inhibitor of activated STAT, 2; E3 SUMO-protein ligase PIAS2; miz; PIASX ALPHA; PIASX BETA; zinc finger; MIZ type containing 4; ZMIZ4; DAB2-interacting protein; zinc finger, MIZ-type containing 4; msx-interacting zinc finger protein; protein inhibitor of activated STAT X; androgen receptor-interacting protein 3; DIP; MIZ; MIZ1; SIZ2; ARIP3; PIASX; PIASX-BETA; PIASX-ALPHA; MGC102682;

Gene ID

9063

mRNA Refseq

NM_004671

Protein Refseq

NP_004662

MIM

603567

UniProt ID

O75928

**Chromosome
Location**

18q12.1-q12.3

Pathway

Androgen Receptor Signaling Pathway, organism-specific biosystem; Hepatitis C, organism-specific biosystem; Hepatitis C, conserved biosystem; IL12 signaling

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mediated by STAT4, organism-specific biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem; Pathways in cancer, organism-specific biosystem;

Function

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

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