

Recombinant Mouse Pias4 Protein, Myc/DDK-tagged

Cat. No. Pias4-4850M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length protein inhibitor of activated STAT 4 (Pias4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Functions as an E3-type small ubiquitin-like modifier (SUMO) ligase, stabilizing the interaction between UBE2I and the substrate, and as a SUMO-tethering factor. Plays a crucial role as a transcriptional coregulation in various cellular pathways, including the STAT pathway, the p53/TP53 pathway, the Wnt pathway and the steroid hormone signaling pathway. Involved in gene silencing. Mediates sumoylation of CEBPA, PARK7, HERC2, MYB, TCF4 and RNF168. In Wnt signaling, represses LEF1 and enhances TCF4 transcriptional activities through promoting their sumoylations. Enhances the sumoylation of MTA1 and may participate in its paralog-selective sumoylation.
Molecular Mass	55.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Pias4 protein inhibitor of activated STAT 4 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Pias4](#)

Synonyms PIAS4; protein inhibitor of activated STAT 4; E3 SUMO-protein ligase PIAS4; protein inhibitor of activated STAT PIASy; protein inhibitor of activated STAT protein 4; protein inhibitor of activated STAT protein gamma; PIASY; Piasg; Pias-gamma

Gene ID [59004](#)

mRNA Refseq [NM_021501](#)

Protein Refseq [NP_067476](#)

UniProt ID [Q9JM05](#)

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