Recombinant Mouse Pias4 Protein, His-tagged

Cat. No. Pias4-1939M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Pias4 Protein (Val12-Leu272) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Val12-Leu272
Description	Enables several functions, including SUMO ligase activity; transcription corepressor activity; and ubiquitin protein ligase binding activity. Involved in negative regulation of NF-kappaB transcription factor activity; negative regulation of transcription by RNA polymerase II; and positive regulation of keratinocyte apoptotic process. Acts upstream of or within negative regulation of tumor necrosis factor-mediated signaling pathway; positive regulation of intrinsic apoptotic signaling pathway in response to DNA damage; and protein sumoylation. Located in nuclear matrix and nucleoplasm. Part of transferase complex. Is expressed in several structures, including central nervous system; early conceptus; genitourinary system; hair follicle; and heart. Orthologous to human PIAS4 (protein inhibitor of activated STAT 4).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.2 kDa Accurate Molecular Mass: 36 kDa

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

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

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UniProt ID	Q9JM05

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