



# Recombinant Rat E3 SUMO-protein ligase PIAS3 (Pias3)

<b>Product Code</b>	CSB-EP017959RA-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O70260
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MAELGELKHM VMSFRVSELQ VLLGFAGRNK SGRKHELLAK ALHLLKSSCA            PSVQMKIKEL YRRRFPRKTL GPSDLSLLSL PPGTSPVGSP SPLASIPPTL            LTPGTLLGPK REVDMHPPPLP QPVHPDVTMK PLPFYEVYGE LIRPTTLAST            SSQRFEEAHF TFALTPQQLQ QILTSREVLV GAKCDYTIQV QLRFLCETS            CPQEDYFPPN LFVKVNGKLC PLPGYLPPTK NGAEPKRPSR PINITPLARL            SATVPNTIVV NWSSEFGRNY SLSVYLVRQL TAGTLLQKLR AKGIRNPDHS            RALIKEKLT A DPDSEVATTS LRVSLMCPLG KMRLTVPCRA LTC AHLQSFD            AALYLQMNEK KPTWTCPVCD KKAPYESLII DGLFMEILNS CSDCDEIQFM            EDGSWCPMKP KKEASEVCPP PGYGLDGLQY SPVQEGNQSE NKKRVEVIDL            TIESSSDEED LPPTKKHCPV TSAAIPALPG SKGALTSGHQ PSSVLRSPAM            GTLGSDFLSS LPLHEYPPAF PLGADIQGLD LFSFLQTESQ HYSPSVITSL            DEQDTLGHFF QFRGTPPHFL GPLAPTLGSS HRSATPAPAP GRVSSIVAPG            SSLREGHGPP LPSGPSLTGC RSDVISLD</p>
<b>Source</b>	E.coli
<b>Target Names</b>	Pias3
<b>Protein Names</b>	Recommended name: E3 SUMO-protein ligase PIAS3 EC= 6.3.2.- Alternative name(s): KChAP Potassium channel-associated protein Protein inhibitor of activated STAT protein 3
<b>Expression Region</b>	1-628
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	This gene encodes a member of the PIAS [protein inhibitor of activated STAT (signal transducer and activator of transcription)] family of transcriptional modulators. The protein functions as a SUMO (small ubiquitin-like modifier)-E3 ligase which catalyzes the covalent attachment of a SUMO protein to specific target substrates. It directly binds to several transcription factors and either blocks or enhances their activity. Alternatively spliced transcript variants of this gene have been identified, but the full-length nature of some of these variants has not been determined.



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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.