



Recombinant Rat E3 SUMO-protein ligase PIAS3 (Pias3)

Product Code	CSB-BP017959RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O70260
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MAELGELKHM VMSFRVSELQ VLLGFAGR NK SGRKHELLAK ALHLLKSSCA PSVQMKIKEL YRRRFPRKTL GPSDLSLLSL PPGTSPVGGSP SPLASIPPTL LTPGTLLGPK REVDMHPPLP QPVHPDVTMK PLPFYEVYGE LIRPTTLAST SSQRFEEAHF TFALTPQQLQ QILTSREVLP 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 SSLREGHGGP LPSGPSLTGC RSDVISLD
Source	Baculovirus
Target Names	Pias3
Protein Names	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
Expression Region	1-628
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.



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.

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.