



# Recombinant Human E3 SUMO-protein ligase PIAS1 (PIAS1)

<b>Product Code</b>	CSB-YP017957HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O75925
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	ADSAELKQM VMSLRVSELQ VLLGYAGR NK HGRKHELLTK ALHLLKAGCS PAVQMKIKEL YRRRFPQKIM TPADLSIPNV HSSPMPATLS PSTIPQLTYD GHPASSPLLP VSLLGPKHEL ELPHLTSALH PVHPDIKLQK LPFYDLLDEL IKPTSLASDN SQRFRETCFA FALTPQQVQQ ISSSMDISGT KCDFTVQVQL RFCLSETSCP QEDHFPPNLC VKVNTKPCSL PGYLPPTKNG VEPKRPSRPI NITSLVRLST TVPNTIVVSW TAEIGRNYSM AVYLVKQLSS TVLLQRLRAK GIRNPDHSRA LIKEKLTADP DSEIATTSR VSLLCPLGKM RTIPCRALT CSHLQCFDAT LYIQMNEKKP TWVCPVCDKK APYEHLIIDG LFMEILKYCT DCDEIQFKED GTWAPMRSKK EVQEVSASYN GVDGCLSSTL EHQVASHHQS SNKNKKVEVI DLTIDSSSDE EEEEPSAKRT CPSLSPTSPL NNGILSLPH QASPVSRTPS LPAVDTSYIN TSLIQDYRHP FHMTMPYDL QGLDFFPFLS GDNQHYNTSL LAAAAAAVSD DQDLLHSSRF FPHYTSSQMFL DQLSAGGSTS LPTTNGSSSG SNSSLVSSNS LRESHSHTVT NRSSTDTASI FGIIPDIISL D
<b>Source</b>	Yeast
<b>Target Names</b>	PIAS1
<b>Protein Names</b>	Recommended name: E3 SUMO-protein ligase PIAS1 EC= 6.3.2.- Alternative name(s): DEAD/H box-binding protein 1 Gu-binding protein Short name= GBP Protein inhibitor of activated STAT protein 1 RNA helicase II-binding protein
<b>Expression Region</b>	2-651
<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 of Mature Protein
<b>Target Details</b>	This gene encodes a member of the mammalian PIAS [protein inhibitor of activated STAT-1 (signal transducer and activator of transcription-1)] family. This member contains a putative zinc-binding motif and a highly acidic region. It inhibits STAT1-mediated gene activation and the DNA binding activity, binds to Gu protein/RNA helicase II/DEAD box polypeptide 21, and interacts with androgen receptor (AR). It functions in testis as a nuclear receptor transcriptional coregulator and may have a role in AR initiation and maintenance of spermatogenesis.



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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.