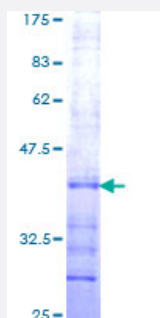


PIAS1 (Human) Recombinant Protein (Q01)

Catalog # H00008554-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PIAS1 partial ORF (NP_057250, 476 a.a. - 565 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SAKRTCPSLSPTSPLNKGILSLPHQASPVSRTPSLPAVDTSYINTSLIQDYRHPFHMTMPYDLQGLDFFPFLSGDNQHYNTSLLAAAA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.64
Interspecies Antigen Sequence	Mouse (99)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PIAS1

Entrez GeneID [8554](#)

GeneBank Accession# [NM_016166](#)

Protein Accession# [NP_057250](#)

Gene Name PIAS1

Gene Alias DDGBP1, GBP, GU/RH-II, MGC141878, MGC141879, ZMIZ3

Gene Description protein inhibitor of activated STAT, 1

Omim ID [603566](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations AR interacting protein|DEAD/H (Asp-Glu-Ala-Asp/His) box binding protein 1|protein inhibitor of activated STAT-1|zinc finger, MIZ-type containing 3

Pathway

- [Jak-STAT signaling pathway](#)
- [Pathways in cancer](#)

- [Small cell lung cancer](#)
- [Ubiquitin mediated proteolysis](#)

Disease

- [Multiple Sclerosis](#)