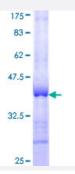


PIAS1 (Human) Recombinant Protein (Q02)

Catalog # H00008554-Q02 Size 25 ug, 10 ug

Applications



Specification	
Product Description	Human PIAS1 partial ORF (NP_057250, 543 a.a 651 a.a.) recombinant protein with GST-tag at N -terminal.
Sequence	LDFFPFLSGDNQHYNTSLLAAAAAAVSDDQDLLHSSRFFPYTSSQMFLDQLSAGGSTSLPTTNG SSSGSNSSLVSSNSLRESHSHTVTNRSSTDTASIFGIIPDIISLD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.73
Interspecies Antigen Sequence	Mouse (94)
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 GenelD	<u>8554</u>
GeneBank Accession#	NM_016166
Protein Accession#	NP_057250
Gene Name	PIAS1
Gene Alias	DDXBP1, GBP, GU/RH-II, MGC141878, MGC141879, ZMIZ3
Gene Description	protein inhibitor of activated STAT, 1
Omim ID	<u>603566</u>
Gene Ontology	<u>Hyperlink</u>
Gene Summary	This gene encodes a member of the mammalian PIAS [protein inhibitor of activated STAT-1 (sign all transducer and activator of transcription-1)] family. This member contains a putative zinc-bindin g motif and a highly acidic region. It inhibits STAT1-mediated gene activation and the DNA bindin g activity, binds to Gu protein/RNA helicase II/DEAD box polypeptide 21, and interacts with andro gen receptor (AR). It functions in testis as a nuclear receptor transcriptional coregulator and may h ave 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 ac tivated STAT-1 zinc finger, MIZ-type containing 3

Pathway

- Jak-STAT signaling pathway
- Pathways in cancer



- Small cell lung cancer
- <u>Ubiquitin mediated proteolysis</u>

Disease

• Multiple Sclerosis