

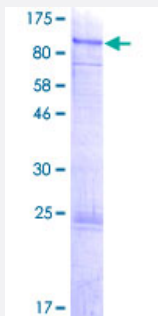
Full-Length

PIAS3 (Human) Recombinant Protein (P01)

Catalog # H00010401-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PIAS3 full-length ORF (AAH30556.1, 1 a.a. - 619 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MVMSFRVSELQVLLGFAGRNKSGRKHELLAKALHLLKSSCAPSVQMKIKELYRRRFPRKTLGPS
DLSLLSLPPGTSPVGSPGLAPIPTLLAPGTLGPKREVDMPPLPQPVHPDVTMKPLPFYEVY
GELIRPTTLASTSSQRFEEAHFTFALTPQQVQQILTSREVLPGAKCDYTIQVQLRFCLCETSCPQE
DYFPPNLFVKVNGKLCPLPGYLPPTKNGAEPKRPSRPINITPLARLSATVPNTIVNWSSEFGRNY
SLSVYLVRQLTAGTLLQKLRAKGIRNPDHSRALIKEKLTADPDSEVATTSLRVSLMCPLGKMRLTV
PCRALTCAHLQSFDAALYLQMNEKKPTWTCPVCDKKAPYESLIIDGLFMEILSSCSDCDEIQFME
DGSWCMPMKPKKEASEVCPPPGYGLDGLQYSPVQGGDPSENKKKVEVIDLTIESSSDEEDLPPT
KKHCSVTSAAIPALPGSKGVLTSGHQPSSVLRSPAMGTLGGDFLSSLPLHEYPPAFPLGADIQGL
DLFSFLQTESQHYGPSVITSLDEQDALGHFFQYRGTPSHFLGPLAPTLGSSHCSATPAPPPGRVS
SVAPGGALREGHGGPLPSGPSLTGCRSDIISLD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

93.4

Interspecies Antigen Sequence

Mouse (96); Rat (96)

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 — PIAS3

Entrez GeneID	10401
GeneBank Accession#	BC030556.1
Protein Accession#	AAH30556.1
Gene Name	PIAS3
Gene Alias	FLJ14651, ZMIZ5
Gene Description	protein inhibitor of activated STAT, 3
Omim ID	605987
Gene Ontology	Hyperlink

Gene Summary	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. [provided by RefSeq]
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Other Designations	OTTHUMP00000015586 zinc finger, MIZ-type containing 5
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Pathway

- [Jak-STAT signaling pathway](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)
- [Ubiquitin mediated proteolysis](#)