

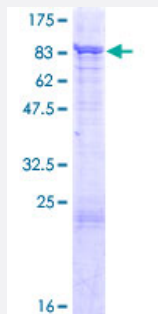
Full-Length

PIAS2 (Human) Recombinant Protein (P01)

Catalog # H00009063-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PIAS2 full-length ORF (NP_775298.1, 1 a.a. - 572 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MADFEELRNMVSSFRVSELQVLLGFAGRNKSGRKHDLLMRALHLLKSGCSPAVQIKIRELYRRRY
PRTLEGLSDLSTIKSSVFSLDGGSSPVEPD LAVAGIHSLPSTSVTPHSPSSPVGSVLLQDTKPTFE
MQQPSPPIPPVHPDVQLKNLPFYDVLVDLIKPTSLVQSSIQRFEKFFIFALTPQQVREICISRDFLP
GGRRDYTVQVQLRLCLAETSCPQEDNYPNSLCIKVNGKLFPLPGYAPPPKNGIEQKRPGRPLNITS
LVR LSSAVPNQISISWASEIGKNYSMSVYLVRQLTSAMLLQRLKMKGIRNPDHSRALIKEKLTADPD
SEIATSLRVSLMCPLGKMRLTIPCRAVTC THLQCFDAALYLQMNEKKPTWICPVCDKKAAYESLIL
DGLFMEILNDCSDVDEIKFQEDGSWCPMRPKKEAMKVSSQPCTKIESSSVLSKPCSVTVASEAS
KKKVDVIDLTIESSSDEEEDPPAKRKCFMSETQSSPTKGVL MYQPSSVRVPSVTSVDPAAIPPSL
TDYSVPFHHTPISSMSSDLPGEQRRNDINNELKLGTS SDTVQQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

89.8

Interspecies Antigen Sequence

Mouse (98); Rat (97)

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 — PIAS2

Entrez GeneID	9063
GeneBank Accession#	NM_173206.2
Protein Accession#	NP_775298.1
Gene Name	PIAS2
Gene Alias	MGC102682, MIZ1, PIASX, PIASX-ALPHA, PIASX-BETA, SIZ2, ZMIZ4, miz
Gene Description	protein inhibitor of activated STAT, 2
Omim ID	603567
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein involved in the regulation of transcription factors involved in MAP kinase signaling. The symbol MIZ1 has also been associated with ZBTB17 which is a different gene located on chromosome 1. Two alternatively spliced transcripts encoding different isoforms have been described. [provided by RefSeq]
Other Designations	Msx-interacting-zinc finger protein inhibitor of activated STAT X zinc finger, MIZ-type containing 4

Pathway

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