

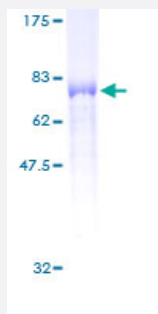
Full-Length

PSTPIP1 (Human) Recombinant Protein (P01)

Catalog # H00009051-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PSTPIP1 full-length ORF (AAH08602, 1 a.a. - 416 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MMPQLQFKDAFWCRDFTAHTGYEVLLQRLLDGRKMCKDMEELLRQRAQAEERYGKELVQIARK
AGGQTEINSLRASFDLSKQQMENVGSSHIQLALTLREELRSLEEFRERQKEQRKKYEAVMDRVQ
KSKLSLYKKAMESKKTIEQKCRDADDAEQAFERISANGHQKQVEKSNKARQCKDSATEAERV
YRQSIAQLEKVRAEWEQEHRITCEAFQLQEFDRILTILRNALWVHSNQLSMQCVKDDELYEEVRLT
LEGCSIDADIDSFIQAKSTGTEPPAPVPYQNYDREVTPLTSSPGIQPSCGMKRFSGLLHGSPKTT
SLAASAASTETLTPTPERNEGVTIAIVQEIQGNPASPAQEYRALDYTAQNPDELDLSAGDILEVI
LEGEDGWWTVERNGQRGFVPGSYLEKL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

71.5

Interspecies Antigen Sequence

Mouse (87); Rat (86)

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 — PSTPIP1

Entrez GeneID	9051
GeneBank Accession#	BC008602
Protein Accession#	AAH08602
Gene Name	PSTPIP1
Gene Alias	CD2BP1, CD2BP1L, CD2BP1S, H-PIP, PAPAS, PSTPIP
Gene Description	proline-serine-threonine phosphatase interacting protein 1
Omim ID	604416 606347
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene binds to the cytoplasmic tail of CD2, an effector of T cell activation and adhesion, negatively affecting CD2-triggered T cell activation. The encoded protein appears to be a scaffold protein and a regulator of the actin cytoskeleton. It has also been shown to bind ABL1, PTPN18, WAS, CD2AP, and PTPN12. Mutations in this gene are a cause of PAPA syndrome. [provided by RefSeq]
Other Designations	CD2 antigen-binding protein 1 CD2 cytoplasmic tail-binding protein PEST phosphatase-interacting protein 1

Disease

- [Abscess](#)
- [Arthritis](#)
- [Autoimmune Diseases](#)
- [Behcet Syndrome](#)
- [Crohn Disease](#)
- [Familial Mediterranean fever](#)
- [Genetic Predisposition to Disease](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)