



# Recombinant Mouse Proline-serine-threonine phosphatase-interacting protein 1 (Pstpip1)

<b>Product Code</b>	CSB-EP018944MO-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P97814
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MMAQLQFRDA FWCRDFTAHT GYEVLLQRLL DGRKMCKDVE ELLRQRAQAE ERYGKELVQI ARKAGGQTEM NSLRTSFDSL KQQTENVGSA HIQLALALRE ELRSLEEFRE RQKEQRKYE AIMDRVQKSK LSLYKKTMS KKAYDQKCRD ADDAEQAFER VSANGHQKQV EKSQNKAKQC KESATEAERV YRQNIEQLER ARTEWEQEHR TTCEAFQLQE FDRLTILRNA LWVHCNQLSM QCVKDDELYE EVRLTLEGCD VEGDINGFIQ SKSTGREPPA PVPYQNYDR EVTPLIGSPS IQPSCGVIKR FSGLLHGSPK TTPSAPAAST ETLTPTPERN ELVYASIEVQ ATQGNLNSSA QDYRALYDYT AQNSDELDIS AGDILAVILE GEDGWWTVER NGQRGFVPGS YLEKL
<b>Source</b>	E.coli
<b>Target Names</b>	Pstpip1
<b>Protein Names</b>	Recommended name: Proline-serine-threonine phosphatase-interacting protein 1 Short name= PEST phosphatase-interacting protein 1
<b>Expression Region</b>	1-415
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	This protein 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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.