



Recombinant Human Proline-serine-threonine phosphatase-interacting protein 1 (PSTPIP1)

Product Code	CSB-MP018944HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O43586
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MMPQLQFKDA FWCRDFTAHT GYEVLLQRLL DGRKMCKDME ELLRQRAQAE ERYGKELVQI ARKAGGQTEI NSLRASFDSL KQQMENVGSS HIQLALTLRE ELRSLEEFRE RQKEQRKQYE AVMDRVQKSK LSLYKKAMES KKTYEQKCRD ADDAEQAFER ISANGHQKQV EKSQNKARQC KDSATEAERV YRQSIAQLEK VRAEWEQEHR TTCEAFQLQE FDRLTILRNA LWVHSNQLSM QCVKDDELYE EVRLTLEGCS IDADIDFSIQ AKSTGTEPPA PVPYQNYDR EVTPLTSSPG IQPSCGMIKR FSGLLHGSPK TTSLAASAAS TETLTPTPER NEGVYTAIAV QEIQGNPASP AQEYRALYDY TAQNPDELDL SAGDILEVIL EGEDGWWTVE RNGQRGFVPG SYLEKL
Source	Mammalian cell
Target Names	PSTPIP1
Protein Names	Recommended name: Proline-serine-threonine phosphatase-interacting protein 1 Short name= PEST phosphatase-interacting protein 1 Alternative name(s): CD2-binding protein 1 H-PIP
Expression Region	1-416
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	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.
Shelf Life	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.