

AR50982PU-S

Human PSTPIP1 / CD2BP1 (1-416, His-tag) - Purified

Alternate names:

CD2 antigen-binding protein 1, CD2 cytoplasmic tail-binding protein, CD2-binding protein 1, CD2BP1L, CD2BP1S, H-PIP, PAPAS, PEST phosphatase-interacting protein 1, PSTPIP, Proline-serine-threonine phosphatase-interacting protein 1

Quantity:

0.1 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

PSTPIP1 binds to the cytoplasmic tail of CD2, an effector of T cell activation and adhesion, negatively affecting CD2-triggered T cell activation. The protein appears to be a scaffold protein and a regulator of the actin cytoskeleton. It has also been sho

Uniprot ID:

[O43586](#)

NCBI:

[NP_003969](#)

GeneID:

[9051](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Description:

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSMPQLQF KDAFWCRDFT AHTGYEVLLQ RLLDGRKMCK
DMEELLRQRA QAEERYGKEL VQIARKAGGQ TEINSLRASF DSLKQQMENV GSSHIQLALT
LREELRSLEE FRERQKEQRK KYEAVMDRVQ KSKLSLYKKA MESKKTYEQK CRDADDAEQA
FERISANGHQ KQVEKSQNK RQCKDSATEA ERVYRQSIAQ LEKVRAEWQ EHRTTCEAFQ
LQEFDRILTIL RNALWVHSNQ LSMQCVKDDE LYEEVRLTLE GCSIDADIDS FIQAKSTGTE
PPAPVPYQNY YDREVTPLTS SPGIQPCGM IKRFSGLLHG SPKTTSLAAS AASTETLTPT
PERNEGVYTA IAVQEIQGNP ASPAQEYRAL YDYTAQNPDE LDLSAGDILE VILEGEDGWW
TVERNGQRGF VPGSYLEKL

Molecular weight: 50.0 kDa (439aa)

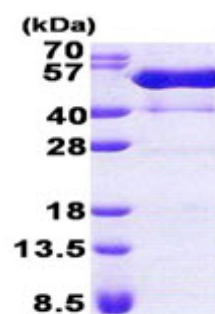
Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Shoham N.G., et al. (2003) Proc. Natl. Acad. Sci. U.S.A. 100:13501-13506 Wise C.A., et al. (2002) Hum. Mol. Genet. 11:961-969

Pictures:



15% SDS-PAGE (3ug)