NKMAXBIO We support you, we believe in your research

Recombinant human PSTPIP1 protein

Catalog Number: ATGP2158

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-416aa

UniProt No.

043586

NCBI Accession No.

NP 003969

Alternative Names

Proline-serine-threonine phosphatase interacting protein 1, CD2BP1, CD2BP1L, CD2BP1S, H-PIP, PAPAS, PSTPIP

PRODUCT SPECIFICATION

Molecular Weight

50kDa (439aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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 shown to bind ABL1, PTPN18, WAS, CD2AP, and PTPN12. Mutations in this gene are a cause of PAPA syndrome. Recombinant human PSTPIP1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



NKMAXBio We support you, we believe in your research

Recombinant human PSTPIP1 protein

Catalog Number: ATGP2158

Amino acid Sequence

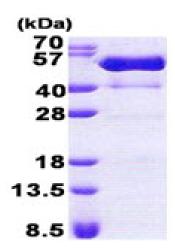
MGSSHHHHHH SSGLVPRGSH MGSMMPQLQF KDAFWCRDFT AHTGYEVLLQ RLLDGRKMCK DMEELLRQRA QAEERYGKEL VQIARKAGGQ TEINSLRASF DSLKQQMENV GSSHIQLALT LREELRSLEE FRERQKEQRK KYEAVMDRVQ KSKLSLYKKA MESKKTYEQK CRDADDAEQA FERISANGHQ KQVEKSQNKA RQCKDSATEA ERVYRQSIAQ LEKVRAEWEQ EHRTTCEAFQ LQEFDRLTIL RNALWVHSNQ LSMQCVKDDE LYEEVRLTLE GCSIDADIDS FIQAKSTGTE PPAPVPYQNY YDREVTPLTS SPGIQPSCGM IKRFSGLLHG SPKTTSLAAS AASTETLTPT PERNEGVYTA IAVQEIQGNP ASPAQEYRAL YDYTAONPDE LDLSAGDILE VILEGEDGWW TVERNGORGF VPGSYLEKL

General References

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)