

PSTPIP1, 1-416aa, Human, His tag, E.coli

Cat.NO.: TP03586

3th Edition

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

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.

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

Molecular Weight:50.0kDa (439aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMMPQLQFKDAFWCRDFTAHTGYEVLLQRLLDGRKMCKDMEELLRQRAQA
EERYGKELVQIARKAGGQTEINSLRASFDLQKQMVGVSSHIQLALTLREELRSLEEFRRERQKEQRKKYEAVMDR
VQSKLSLYKKAMESKKTYEQKCRDADDAEQAFERISANGHQKQVEKSNKARQCKDSATEAERVYRQSIQLEK
VRAEWEQEHRTTCEAFQLQEFDRILTILRNALWVHSNQLSMQCVKDDELYEEVRLTLEGCSIDADIDSFIQAKSTGTE
PPAPVPYQNYDREV/PLTSSPGIQPSCGMIKRFSGLLHGSPKTTSLAASAATETLPTPERNEGVTIAIVQEIQ
GNPASPAQEYRALDYTAQNPDELDSLASGDILEVILEGEDGWWTVERNQQRGFVPGSYLEKL

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.