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PSTPIP1 Human

Proline-Serine-Threonine Phosphatase Interacting Protein 1 Human Recombinant RCP1734

Product Overview

Name	PSTPIP1 Human

Description

Proline-Serine-Threonine Phosphatase Interacting Protein 1 Human Recombinant

Accession (Primary)	O43586

Synonyms

Proline-serine-threonine phosphatase interacting protein 1, CD2BP1, CD2BP1L, CD2BP1S, H-PIP, PAPAS, PSTPIP, PSTPIP1, Proline-serine-threonine phosphatase-interacting protein 1, PEST phosphatase-interacting protein 1, CD2-binding protein 1.

Introduction

Proline-Serine-Threonine Phosphatase Interacting Protein 1 (PSTPIP1) which is a scaffold protein and a regulator of the actin cytoskeleton binds ABL1, PTPN18, WAS, CD2AP, and PTPN12. PSTPIP1 also binds to the cytoplasmic tail of CD2, an effector of T cell activation and adhesion, negatively affecting CD2-triggered T cell activation. Mutations in PSTPIP1 are a cause of PAPA syndrome.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The PSTPIP1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MMPQLQF KDAFWCRDFT AHTGYEVLLQ RLLDGRKMCK DMEELLRQRA QAEERYGKEL VQIARKAGGQ TEINSLRASF DSLKQQMENV GSSHIQLALT LREELRSLEE FRERQKEQRK KYEAVMDRVQ KSKLSLYKKA MESKKTYEQK CRDADDAEQA FERISANGHQ KQVEKSQNKA RQCKDSATEA

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ERVYRQSIAQ LEKVRAEWEQ EHRTTCEAFQ LQEFDRLTIL RNALWVHSNQ LSMQCVKDDE LYEEVRLTLE GCSIDADIDS FIQAKSTGTE PPAPVPYQNY YDREVTPLTS SPGIQPSCGM IKRFSGLLHG SPKTTSLAAS AASTETLTPT PERNEGVYTA IAVQEIQGNP ASPAQEYRAL YDYTAQNPDE LDLSAGDILE VILEGEDGWW TVERNGQRGF VPGSYLEKL.

Precautions

PSTPIP1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O43586)