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# 32-4534: Recombinant Human Proline-Serine-Threonine Phosphatase Interacting Protein 1

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| **Alternative Name :** | 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. |

## Description

Source : Escherichia Coli. PSTPIP1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 439 amino acids (1-416) and having a molecular mass of 50 kDa.PSTPIP1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

## Product Info

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| **Amount :** | 20 µg |
| **Purification :** | Greater than 90.0% as determined by SDS-PAGE. |
| **Content :** | The PSTPIP1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT. |
| **Storage condition :** | 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. |
| **Amino Acid :** | 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 YDYTAQNPDE LDLSAGDILE VILEGEDGWW TVERNGQRGF VPGSYLEKL. |

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