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Product datasheet for TP517594

Pstpip1 (NM_011193) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse proline-serine-threonine phosphatase-interacting protein 1 (Pstpip1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR217594 protein sequence Red=Cloning site Green=Tags(s) MMAQLQFRDAFWCRDFTAHTGYEVLLQRLLDGRKMCKDVEELLRQRAQAEERYGKELVQIARKAGGQTEM NSLRTSFDSLKQQTENVGSAHIQLALALREELRSLEEFRERQKEQRKKYEAIMDRVQKSKLSLYKKTMES KKAYDQKCRDADDAEQAFERVSANGHQKQVEKSQNKAKQCKESATEAERVYRQNIEQLERARTEWEQEHR TTCEAFQLQEFDRLTILRNALWVHCNQLSMQCVKDDELYEEVRLTLEGCDVEGDINGFIQSKSTGREPPA PVPYQNYYDREVTPLIGSPSVQPSCGVIKRFSGLLHGSPKTTPSAPAASTETLTPTPERNELVYASIEVQ ATQGNLNSSAQDYRALYDYTAQNSDELDISAGDILAVILEGEDGWWTVERNGQRGFVPGSYLEKL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	47.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_035323
Locus ID:	19200
UniProt ID:	P97814, A0A0R4J0P5

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RefSeq Size:	1853
Cytogenetics:	9 B
RefSeq ORF:	1248
Synonyms:	CD2BP1; def-2
Summary:	Involved in regulation of the actin cytoskeleton. May regulate WAS actin-bundling activity. Bridges the interaction between ABL1 and PTPN18 leading to ABL1 dephosphorylation. May play a role as a scaffold protein between PTPN12 and WAS and allow PTPN12 to dephosphorylate WAS. Has the potential to physically couple CD2 and CD2AP to WAS. Acts downstream of CD2 and CD2AP to recruit WAS to the T-cell:APC contact site so as to promote the actin polymerization required for synapse induction during T-cell activation. Down-regulates CD2-stimulated adhesion through the coupling of PTPN12 to CD2. Also has a role in innate immunity and the inflammatory response. Recruited to inflammasomes by MEFV. Induces formation of pyroptosomes, large supramolecular structures composed of oligomerized PYCARD dimers which form prior to inflammatory apoptosis. Binding to MEFV allows MEFV to bind to PYCARD and facilitates pyroptosome formation. Regulates endocytosis and cell migration in neutrophils. [UniProtKB/Swiss-Prot Function]