

Product datasheet for MC209249

Pstpip1 (NM_011193) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pstpip1 (NM_011193) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pstpip1
Synonyms:	CD2BP1; def-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC209249 representing NM_011193 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATGGCCAGCTGCAGTTCGAGATGCCTTCTGGTGCAGGGACTTCACGGCCACACAGGGTATGAGG
TGCTACTGCAGAGGCTGCTGGACGGCAGGAAGATGTGCAAGGATGTGGAGGAGCTGCTCAGACAGAGGGC
CCAGGCGGAGGAGAGGTACGGGAAGGAGCTGGTGCAGATTGCACGCAAGGCTGGTGGCCAGACAGAGATG
AATTCCTGAGGACCTCCTTTGACTCCCTGAAGCAGCAAACAGAGAATGTGGGCAGTGCACACATCCAGC
TGGCCCTGGCCCTGCGTGAGGAGCTGCGGAGCCTGGAGGAGTTCCGAGAGAGACAGAAAGAGCAGCGGAA
GAAGTATGAGGCCATCATGGACCGTGTCCAGAAGCAAGTTGTGCTCTACAAGAAGACCATGGAGTCC
AAGAAGGCATATGACCAGAAGTGCAGGGATGCAGATGATGCTGAGCAGGCCTTCGAGCGTGTGAGTGCCA
ATGGCCACCAGAAGCAAGTAGAAAAGAGCCAGAACAAAGCCAAGCAGTGAAGGAGTGCAGCCACAGAGGC
AGAAAGAGTGTACAGGCAAAATATCGAACAACTGGAGAGAGCGAGGACCGAGTGGGAGCAGGAGCACCGG
ACTACCTGTGAGGCCTTCCAGTTGCAGGAGTTTGACCGGCTCACCATCCTCCGCAATGCCCTGTGGGTGC
ACTGTAACCAGCTCTCCATGCAGTGTGCAAGGATGATGAGCTCTATGAGGAAGTGCAGGCTGACCCCTTGA
GGGCTGTGATGTGAAGGTGACATCAATGGCTTCATCCAGTCCAAGAGCACTGGCAGAGAGCCCCAGCT
CCGGTGCCTTATCAGAACTACTATGACAGGGAGGTGACCCCACTGATTGGCAGCCCTAGCGTCCAGCCCT
CCTGTGGTGTGATAAAGAGGTTCTCTGGGCTGCTACATGGAAGTCCCAAGACCACACCTTCTGCTCCTGC
TGCTTCCACAGAGACTCTGACTCCACCCCTGAGCGGAATGAGTTGGTCTACGCATCCATCGAAGTGCAG
GCGACCCAGGAAACCTTAACCTCATCAGCCAGGACTACCGGGCACTCTACGACTACCCGCACAGAATT
CTGATGAGCTGGACATTTCCGCGGGAGACATCCTGGCGGTATCCTGGAAGGGGAGGATGGCTGGTGGAC
TGTGGAGCGGAACGGACAACGTGGCTTTGTCCCTGGGTGCTACTGGAGAAGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_011193
Insert Size:	1248 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_011193.2 , NP_035323.2
RefSeq Size:	1853 bp
RefSeq ORF:	1248 bp
Locus ID:	19200
UniProt ID:	P97814
Cytogenetics:	9 B
Gene 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]