

Product datasheet for **SC201724**

PSTPIP1 (NM_003978) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PSTPIP1 (NM_003978) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PSTPIP1
Synonyms:	CD2BP1; CD2BP1L; CD2BP1S; H-PIP; PAPAS; PSTPIP
ACCN:	NM_003978
Insert Size:	329 bp
Insert Sequence:	>SC201724 3'UTR clone of NM_003978 The sequence shown below is from the reference sequence of NM_003978. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTCCCTGGTTCCTACCTGGAGAAGCTTTGAGGAAGGGCCAGGAGCCCTTCGGACCTGCCCTGCCAGTG
GAGCCAGCAGTGCCCCCAGCACTGTCCCACCTTGCTAGGGCCAGAACCAAGCGTCCCCCAGCCCCGA
GAGGGAGCCTGTCGTCTCCCAGGGAATAAAGGAGTGCGTTCTGTTCTCCTTGGTGTGCTGGGGTCCCGT
TCTCTTTTCTCCTGCTCCAGTGTCCGAGTGCTCAGTTTCAGAGGAGGCAAAGGAACAAGGAAGGAGCC
TGGATGTGGAGCTCCCCAACTCAGCCGAGGCTTCAGCTATAGTTGGAGAAGAG
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_003978.5</u>



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Summary:

This gene encodes a cytoskeletal protein that is highly expressed in hemopoietic tissues. This protein functions via its interaction with several different proteins involved in cytoskeletal organization and inflammatory processes. It binds to the cytoplasmic tail of CD2, an effector of T cell activation and adhesion, downregulating CD2-triggered adhesion. It binds PEST-type protein tyrosine phosphatases (PTP) and directs them to c-Abl kinase to mediate c-Abl dephosphorylation, thereby, regulating c-Abl activity. It also interacts with pyrin, which is found in association with the cytoskeleton in myeloid/monocytic cells and modulates immunoregulatory functions. Mutations in this gene are associated with PAPA (pyogenic sterile arthritis, pyoderma gangrenosum, and acne) syndrome. It is hypothesized that the disease-causing mutations compromise physiologic signaling necessary for the maintenance of a proper inflammatory response. [provided by RefSeq, Mar 2016]

Locus ID: 9051

MW: 11.6