

Datasheet for ABIN7563566
PSTPIP1 Protein (AA 1-415) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PSTPIP1
Protein Characteristics:	AA 1-415
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSTPIP1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Pstpip1 Protein expressed in mammalien cells.
Sequence:	<p>MMAQLQFRDA FWCRDFTAHT GYEVLLQRLD DGRKMCKDVE ELLRQRAQAE ERYGKELVQI ARKAGGQTEM NSLRFSFDSL KQQTENVGSA HIQLALALRE ELRSLEEFRE RQKEQRKKYE AIMDRVQKSK LSLYKKTMS KKAYDQKCRD ADDAEQAFER VSANGHQKQV EKSQNKAKQC KESATEAERV YRQNIQQLER ARTEWEQEHR TTCEAFQLQE FDRILTILRNA LWVHCNQLSM QCVKDDELYE EVRLTLEGCD VEGDINGFIQ SKSTGREPPA PVPYQNYDR EVTPLIGSPS IQPSCGVIKR FSGLLHGSPK TTPSAPAAST ETLTPTPERN ELVYASIEVQ ATQGNLNSSA QDYRALYDYT AQNSDELDIS AGDILAVILE GEDGWWTVER NGQRGFVPGS YLEKL Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	PSTPIP1
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Alternative Name:	Pstpip1 (PSTPIP1 Products)
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Background:	<p>Proline-serine-threonine phosphatase-interacting protein 1 (PEST phosphatase-interacting protein 1),FUNCTION: 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. {ECO:0000269 PubMed:11163214, ECO:0000269 PubMed:11711533, ECO:0000269 PubMed:12530983,</p>
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Target Details

ECO:0000269|PubMed:9265651, ECO:0000269|PubMed:9488710}.

Molecular Weight: 47.6 kDa

UniProt: [P97814](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months