

Product datasheet for **AR09943PU-L**

VASP (1-343, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	VASP (1-343, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSSLVPRGSH</u> MSETVICSSR ATVMLYDDGN KRWLPA GTGP QAFSRVQIYH NPTANSFRV V GRKMQPDQ QV VINCAIVRGV KYNQATPNFH QWRDARQVWG LNFGSKEDAA QFAAGMASAL EALEGGGPPP PPALPTWSVP NGPSPEEVEQ QKRQQPGPSE HIERRVSNAG GPPAPPAGGP PPPPGPPPPP GPPPPPGLPP SGVPA AAHGA GGGPPPAPPL PAAQGGGGG AGAPGLAAAI AGAKLRKVSK QEEASGGPTA PKAESGRSGG GGLMEEMNAM LARRRKATQV GEKTPKDESA NQEEPEARVP AQSESVRRPW EKNSTTLPRM KSSSVTTSE TQPCTPSSSD YSD
Tag:	His-tag
Predicted MW:	37.5 kDa
Concentration:	lot specific
Purity:	>85%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 5 mM DTT, 10% glycerol, 200 mM NaCl, 0.1 mM PMSF
Preparation:	Liquid purified protein
Protein Description:	Recombinant human VASP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_003361</u>
Locus ID:	7408
UniProt ID:	<u>P50552</u> , <u>A0A024R0V4</u>
Cytogenetics:	19q13.32



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Summary:

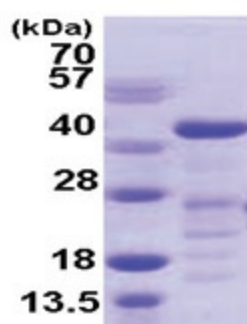
Vasodilator-stimulated phosphoprotein (VASP) is a member of the Ena-VASP protein family. Ena-VASP family members contain an EHV1 N-terminal domain that binds proteins containing E/DFPPPPXD/E motifs and targets Ena-VASP proteins to focal adhesions. In the mid-region of the protein, family members have a proline-rich domain that binds SH3 and WW domain-containing proteins. Their C-terminal EVH2 domain mediates tetramerization and binds both G and F actin. VASP is associated with filamentous actin formation and likely plays a widespread role in cell adhesion and motility. VASP may also be involved in the intracellular signaling pathways that regulate integrin-extracellular matrix interactions. VASP is regulated by the cyclic nucleotide-dependent kinases PKA and PKG. [provided by RefSeq, Jul 2008]

Protein Families:

Druggable Genome, Stem cell - Pluripotency

Protein Pathways:

Fc gamma R-mediated phagocytosis, Focal adhesion, Leukocyte transendothelial migration

Product images:

15% SDS-PAGE (3ug)