

Recombinant Full Length Human VASP Protein, C-Flag-tagged

Cat. No. VASP-1409HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human VASP Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	39.6 kDa
AA Sequence	MSETVICSSRATVMLYDDGNKRWLPA GTGPQAFSRVQIYHNPTANSFRVVGRKMQ PDQQVVINCAIVRGV KYNQATPNFHQWRDARQVWGLNFGSKEDAAQFAAGMASA LEALEGGGPPPPPALPTWSVPNGPSPEEVEQ QKRQQPGPSEHIERRVSNAGGPPA

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PPAGGPPPPPGPPPPPGPPPPGLPPSGVPAAAHGAGGGPPAPPL PAAQGP GGAGAPGLAAAIAGAKLRKVKQEEASGGPTAPKAESGRSGGGGLMEEMNAMLAR RRKATQV GEKTPKDESANQEEPEARVPAQSESVRRPWEEKNSTTLPRMKSSSSVTT SETQPCTPSSSDYSDLQRVKQE LLEEVKKELQKVKEEIEAFVQELRKRGSPTRTRPLEQKLISEEDLAANDILDYKDDDD KV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Stem cell - Pluripotency
Protein Pathways	Fc gamma R-mediated phagocytosis, Focal adhesion, Leukocyte transendothelial migration
Full Length	Full L.

GENE INFORMATION

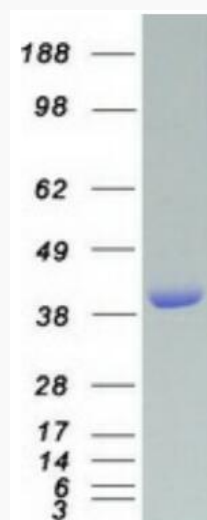
Gene Name	VASP vasodilator stimulated phosphoprotein [Homo sapiens (human)]
Official Symbol	VASP

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Synonyms	vasodilator-stimulated phosphoprotein
Gene ID	7408
mRNA Refseq	NM_003370.4
Protein Refseq	NP_003361.1
MIM	601703
UniProt ID	P50552



Coomassie blue staining of purified VASP protein.