

Recombinant Human VASP Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. VASP-1570H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	VASP MS Standard C13 and N15-labeled recombinant protein (NP_003361) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	40.3 kDa
AA Sequence	MSETVICSSRATVMLYDDGNKRWLPA GTGPQAFSRVQIYHNPTANSFRVVG RKMQ PDQQVVINCAIVRGVKYNQATPNFHQWRDARQVWGLNFGSKEDAAQFAAGMASAL EALGGGPPPPPALPTWSVPNGPSPEEVEQQKRQQPGPSEHIERRVSNAGGPPAP

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PAGGPPPPPGPPPPPGPPPPGLPPSGVPAAAHGAGGGPPAPPLPAAQGPGGG
 GAGAPGLAAAIAKLRKVKQEEASGGPTAPKAESGRSGGGGLMEEMNAMLARR
 RKATQVGEKTPKDESANQEEPEARVPAQSESVRRPWKKNSTTLPRMKSSSSVTTS
 ETQPCTPSSSDYSDLQRVKQELLEEVKKELQKVKEEIEAFVQELRKRGSPTRTRPL
 EQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

Official Symbol VASP

Synonyms VASP; vasodilator-stimulated phosphoprotein;

Gene ID 7408

mRNA Refseq NM_003370

Protein Refseq NP_003361

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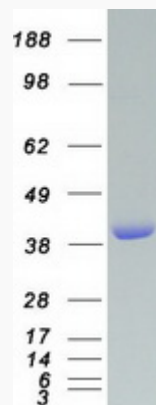
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MIM 601703

UniProt ID P50552

SDS-PAGE



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