

Recombinant Human VASP, His-tagged

Cat. No. VASP-3500H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human VASP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	Vasodilator-stimulated phosphoprotein, also known as VASP, is a member of the Ena-VASP protein family. 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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 5mM DTT, 10% glycerol, 200mM NaCl, 0.1mM PMSF
Molecular Weight	37.5kDa (363aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
Purity	>85% by SDS - PAGE
Concentration	0.5mg/ml (determined by Bradford)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MSETVICSSR ATVMLYDDGN KRWLPAGTGP QAFSRVQIYH NPTANSFRVV GRKMQPDQQV VINCAIVRGV KYNQATPNFH

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QWRDARQVWG LNFGSKEDAA QFAAGMASAL EALEGGGPPP PPALPTWSVP
 NGPSPEEVEQ QKRQQPGPSE HIERRVSNAG GPPAPPAGGP PPPPGPPPPP
 GPPPPPGLPP SGVPAAAHGA GGGPPPAPPL PAAQGPGGGG AGAPGLAAAI
 AGAKLRKVSK QEEASGGPTA PKAESGRSGG GGLMEEMNAM LARRRKATQV
 GEKTPKDESA NQEEPEARVP AQSESVRRPW EKNSTTLPRM KSSSSVTTSE
 TQPCTPSSSD YSD

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

VASP vasodilator-stimulated phosphoprotein [Homo sapiens]

Synonyms

vasodilator-stimulated phosphoprotein; VASP

Gene ID

7408

mRNA Refseq

NM_003370

Protein Refseq

NP_003361

MIM

601703

UniProt ID

P50552

**Chromosome
Location**

19q13.2-q13.3

Function

SH3 domain binding; actin binding; profilin binding; protein binding

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