

# Recombinant human VASP protein

Catalog Number: ATGP1003

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-343aa

### UniProt No.

P50552

### NCBI Accession No.

NP\_003361

### Alternative Names

Vasodilator-stimulated phosphoprotein

## PRODUCT SPECIFICATION

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### Molecular Weight

37.5 kDa (363aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 5mM DTT, 10% glycerol, 200mM NaCl, 0.1mM PMSF

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### 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. Recombinant human VASP protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

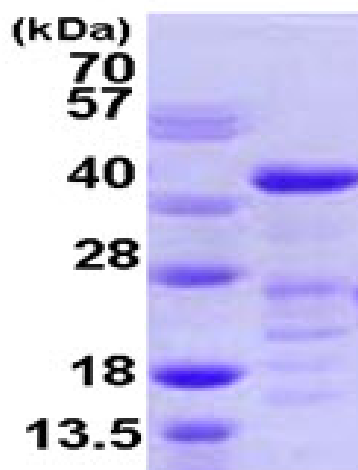
MGSSHHHHHH SSGLVPRGSH MSETVICSSR ATVMLYDDGN KRWLPA GTGP QAFSRVQIYH NPTANSFRV  
GRKM QPDQQV VINCAIVRGV KYNQATPNFH QWRDARQVWG LNFGSKEDAA QFAAGMASAL EALEGGGPPP  
PPALPTWSVP NGPSPEEVEQ QKRQQPGPSE HIERRVSNAG GPPAPPAGGP PPPPGPPPPP GPPPPPGLPP SGVPAAAHGA  
GGGPPPAPPL PAAQGGGGG AGAPGLAAAI AGAKLRKYSK QEEASGGPTA PKAESGRSGG GGLMEEMNAM LARRRKATQV  
GEKTPKDESA NQEEPEARVP AQSESVRRPW EKNSTTLPRM KSSSSVTTSE TQPCTPSSSD YSD

## General References

Laurent V., et al. (1999) J. Cell Biol. 144:1245-1258  
Barzik M., et al. (2005) J. Biol. Chem. 280:28653-28662

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)