

Recombinant human VASP protein

Catalog Number: ATGP1003

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-343aa

UniProt No.

P50552

NCBI Accession No.

NP_003361

Alternative Names

Vasodilator-stimulated phosphoprotein

PRODUCT SPECIFICATION

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

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

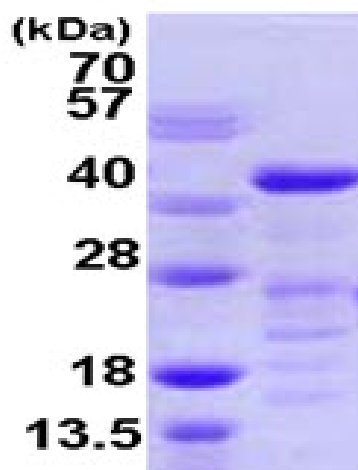
MGSSHHHHHH SSGLVPRGSH MSETVICSSR ATVMLYDDGN KRWLPA GTGP QAFSRVQIYH NPTANSFRV
GRKM QPDQQV VINCAIVRGV KYNQATPNFH QWRDARQVWG LNFGSKEDAA QFAAGMASAL EALEGGGPPP
PPALPTWSVP NGPSPEEVEQ QKRQ QPGPSE HIERRVSNAG GPPAPPAGGP PPPPGPPPP GPPPPGLPP SGVPAAAHGA
GGGPPPAPPL PAAQGGGGG AGAPGLAAAI AGAKLRKYSK QEEASGGPTA PKAESGRSGG 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)