

**VASP, 1-343aa, Human, His tag, E.coli**

**Cat.NO.: TP04458**

3th Edition

**Synonyms:** Vasodilator-stimulated phosphoprotein,

**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.

**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)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMSETVICSSRATVMLYDDGNKRWLPAGTGPQAFSRVQIYHNPTANSFRVVGRKM  
QPDQQVVINCAIVRGVKYNQATPNFHQWRDARQVWGLNFGSKEDAAQFAAGMASALEALEGGGPPPPALPTW  
SVPNGPSPEEVEQQKRQQPGPSEHIERRVSNAGGPPAPPAGGPPPPPPGPPPPGLPPSGVAAAHGAG  
GGPPAPPLPAAQGGGGGAGAPGLAAAIAKLRKVSQEEASGGPTAPKAESGRSGGGGLMEEMNAMLARR  
RKATQVGEKTPKDESANQEEPEARVPAQSESVRRPWEKNSTTLPRMKSSSVTTSETQPCTPSSSDYSD

**Purity:** > 95% by HPLC

**Concentration:** 0.5mg/ml (determined by Bradford)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**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.