

## VASP Human

**Description:** VASP Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 363 amino acids (1-343 a.a.) and having a molecular mass of 37.5kDa (Molecular weight on SDS-PAGE will appear higher). The VASP is purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-198

For research use only.

**Synonyms:** Vasodilator-stimulated phosphoprotein, VASP.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MSETVICSSR ATVMLYDDGN  
KRWLPA GTGP QAFSRVQIYH NPTANSFRVV GRKMQPQQV VINCAIVRGV KYNQATPNFH  
QWRDARQVWG LNFGSKEDAA QFAAGMASAL EALEGGGPPP PPALPTWSVP NGPSPEEVEQ  
QKRQQPGPSE HIERRVSNAG GPPAPPAGGP PPPPGPPPPP GPPPPPGLPP SGVPAAAHGA  
GGGPPAPPL PA

**Purity:** Greater than 85.0% as determined by SDS-PAGE.

### Formulation:

The VASP solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 5mM DTT, 10% glycerol, 200mM NaCl and 0.1mM PMSF.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

Vasodilator-stimulated phosphoprotein (VASP) belongs to the Ena-VASP protein family. VASP is linked with filamentous actin formation and likely plays a widespread role in cell adhesion and motility. In addition, VASP may be involved in the intracellular signaling pathways which regulate integrin-extracellular matrix interactions.

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