



# Recombinant Human Vasodilator-stimulated phosphoprotein (VASP)

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| <b>Product Code</b>      | CSB-YP025797HU   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P50552   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | <p>SETVICSSR ATVMLYDDGN KRWLPA GTGP QAFSRVQIYH NPTANSFRVV<br/>           GRKMQPQQV VINCAIVRGV KYNQATPNFH QWRDARQVWG<br/>           LNFGSKEDAA QFAAGMASAL EALEGGPPP PPALPTWSVP NGPSPEEVEQ<br/>           QKRQQGPSE HIERRVSNAG GPPAPPAGGP PPPPGPPPP GPPPPGLPP<br/>           SGVPAAAHGA GGGPPPAPPL PAAQGPGGG AGAPGLAAAI AGAKLRKVSK<br/>           QEEASGGPTA PKAESGRSGG GGLMEEMNAM LARRRKATQV<br/>           GEKTPKDESA NQEEPEARVP AQSESVRRPW EKNSTTLPRM KSSSSVTTSE<br/>           TQPCTPSSSD YSDLQRVKQE LLEE VKKELQ KVKEEIIIEAF VQELRKRGS P</p>   |
| <b>Source</b>            | Yeast  |
| <b>Target Names</b>      | VASP   |
| <b>Protein Names</b>     | Recommended name: Vasodilator-stimulated phosphoprotein Short name= VASP   |
| <b>Expression Region</b> | 2-380  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | Full Length of Mature Protein  |
| <b>Target Details</b>    | <p>Vasodilator-stimulated phosphoprotein (VASP) is a member of the Ena-VASP protein family. Ena-VASP family members contain an EHV1 N-terminal domain that binds proteins containing E/DFPPPPXD/E motifs and targets Ena-VASP proteins to focal adhesions. In the mid-region of the protein, family members have a proline-rich domain that binds SH3 and WW domain-containing proteins. Their C-terminal EVH2 domain mediates tetramerization and binds both G and F actin. 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. VASP is regulated by the cyclic nucleotide-dependent kinases PKA and PKG.</p> |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final  |



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.