



# Recombinant Human Vasodilator-stimulated phosphoprotein (VASP)

<b>Product Code</b>	CSB-EP025797HU
<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            GRKMQPDQQV VINCAIVRGV KYNQATPNFH QWRDARQVWG            LNFGSKEDAA QFAAGMASAL EALEGGGPPP PPALPTWSVP NGPSPEEVEQ            QKRQQPGPSE HIERRVSNAG GPPAPPAGGP PPPPGPPPPP GPPPPPGLPP            SGVPAAAHGA GGGPPPAPPL PAAQGPGGGG AGAPGLAAAI AGAKLRKVKSK            QEEASGGPTA PKAESGRSGG GGLMEEMNAM LARRRKATQV            GEKTPKDESA NQEEPEARVP AQSESVRRPW EKNSTTLPRM KSSSSVTTSE            TQPCTPSSSD YSDLQRVKQE LLEE VKKELQ KVKEEIIIEAF VQELRKRKRGSP</p>
<b>Source</b>	E.coli
<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.