



# Recombinant Bovine Vasodilator-stimulated phosphoprotein (VASP)

<b>Product Code</b>	CSB-EP025797BO-B
<b>Abbreviation</b>	VASP
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q2TA49
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Bos taurus (Bovine)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SETVVCTSRATVMLYDDSNKRWLPAGTGPQAFSRVQIYHNPTANSFRVVGRK MQPDQQVV INCAIVRGVKYNQATPNFHQWRDARQVWGLNFGSKEDATQFANGMASALEAL EGGGPLPP PPPTAPPTWSAQNGPSPEEMEQQKRQQQSELMERERRASNAGGPPAASAG APPPPPGPPP PPGPPPPGLSSSGVSAATQGAGGGPPPAPPLPTAQGPSGGGTGAPSLASAI AGAKLRKV SKQEEASAGPVAPKAESSRSTGGGLMEEMNAMLARRRKATQVGEKPAKDES ANQEESDAR VPAHSESVRRPWEKNSTTLPRMKSSSSVTTSEAHPATPSSSDESDLERVKQE LLEEVRKE LQKVKEEIIIEAFVQELRKRGP
<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>	2-383
<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>	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.

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**Reconstitution**

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**

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