

Product datasheet for **TP303544L**

VASP (NM_003370) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human vasodilator-stimulated phosphoprotein (VASP), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203544 representing NM_003370 Red =Cloning site Green =Tags(s)
	MSETVICSSRATVMLYDDGNKRWLPAGTGPQAFSRVQIYHNPTANSFRVWGRKMQPDQQVWINCAIVRGV KYNQATPNFHQWRDARQVWGLNFGSKEDAAQFAAGMASALEALEGGGPPPPALPTWSVPNGPSPEEVEQ QKRQQPGPSEHIERRVSNAGGPPAPPAGGPPPPPPGPPPPGPPPPGLPPSGVPAAAHGAGGGPPAPPL PAAQGGGGGAGAPGLAAAIAGAKLRKVKQEEASGGPTAPKAESGRSGGGGLMEEMNAMLARRRKATQV GEKTPKDESANQEEPEARVPAQSESVRRPWEKNSTTLPRMKSSSVTTSETQPCTPSSSDYSDLQRVKQE LLEEVKKELQKVKEEIEAFVQELRKRKRGSP
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	39.6 kDa
Concentration:	>0.1 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_003361
Locus ID:	7408



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UniProt ID: [P50552](#), [A0A024R0V4](#)

RefSeq Size: 2298

Cytogenetics: 19q13.32

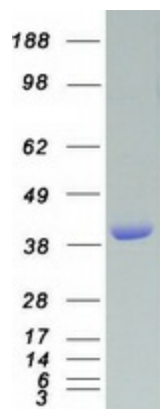
RefSeq ORF: 1140

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: Fc gamma R-mediated phagocytosis, Focal adhesion, Leukocyte transendothelial migration

Product images:



Coomassie blue staining of purified VASP protein (Cat# [TP303544]). The protein was produced from HEK293T cells transfected with VASP cDNA clone (Cat# [RC203544]) using MegaTran 2.0 (Cat# [TT210002]).