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Product datasheet for PH303544

VASP (NM_003370) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	VASP MS Standard C13 and N15-labeled recombinant protein (NP_003361)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203544
Predicted MW:	40.3 kDa
Protein Sequence:	>RC203544 representing NM_003370 Red=Cloning site Green=Tags(s) MSETVICSSRATVMLYDDGNKRWLPAGTGPQAFSRVQIYHNPTANSFRVVGRKMQPDQQVVINCAIVRGV KYNQATPNFHQWRDARQVWGLNFGSKEDAAQFAAGMASALEALEGGGPPPPPALPTWSVPNGPSPEEVEQ QKRQQPGPSEHIERRVSNAGGPPAPPAGGPPPPPGPPPPPGPPPPPGLPPSGVPAAAHGAGGGPPPAPPL PAAQGPGGGGAGAPGLAAAIAGAKLRKVSKQEEASGGPTAPKAESGRSGGGGLMEEMNAMLARRRKATQV GEKTPKDESANQEEPEARVPAQSESVRRPWEKNSTTLPRMKSSSSVTTSETQPCTPSSSDYSDLQRVKQE LLEEVKKELQKVKEEIIEAFVQELRKRGSP TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003361
RefSeq Size:	2298
RefSeq ORF:	1140
Locus ID:	7408
UniProt ID:	P50552, A0A024R0V4

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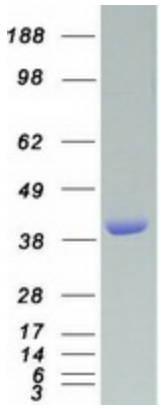
Cytogenetics: 19q13.32

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]).