**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for TP303544

## VASP (NM_003370) Human Recombinant Protein

### Product data:

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|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Recombinant protein of human vasodilator-stimulated phosphoprotein (VASP), 20 µg |
| **Species:** | Human |
| **Expression Host:** | HEK293T |
| **Expression cDNA Clone or AA Sequence:** | >RC203544 representing NM_003370<br>Red=Cloning site Green=Tags(s)<br><br>MSSETVICSSRATVMLYDDGNKRWLPAGTGPQAFSRVQIYHNPTANSFRVVGRKMQPDQQVVINCAIVR<br>G<br>VKYNQATPNFHQWRDARQVWGLNFGSKEDAAQFAAGMASALEALEGGGPPPPPALPTWSVPNGPSPE<br>EVE<br>QQKRQQPGPSEHIERRVSNAGGPPAPPAGGPPPPPGPPPPPGPPPPPGLPPSGVPAAAHGAGGGPPPA<br>PP<br>LPAAQGPGGGGAGAPGLAAAIAGAKLRKVSKEEASGGPTAPKAESGRSGGGGLMEEMNAMLARRRKATQ<br>V<br>GEKTPKDESANQEEPEARVPAQSESVRRPWEKNSTTLPRMKSSSSVTTSETQPCTPSSSDYSDLQRVKQE<br>LLEEVKKELQKVKEEIIEAFVQELRKRGSP<br><br>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. |

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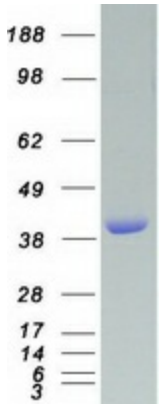
| **Stability:** | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| **RefSeq:** | NP_003361 |
| **Locus ID:** | 7408 |
| **UniProt ID:** | P50552 |
| **RefSeq Size:** | 2298 |
| **Cytogenetics:** | 19q13.32 |
| **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]).