

Human VASP Knockdown Cell Lysate

Cat. No. VASP-316HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated VASP Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	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.
Form	Cell-Tissue Lysis buffer
Molecular Mass	40 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.

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Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg VASP KD HeLa cell lysate
Protein Families	Druggable Genome, Stem cell - Pluripotency
Protein Pathways	Fc gamma R-mediated phagocytosis, Focal adhesion, Leukocyte transendothelial migration
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	VASP vasodilator-stimulated phosphoprotein [Homo sapiens (human)]
Official Symbol	VASP
Synonyms	VASP; vasodilator-stimulated phosphoprotein;
Gene ID	7408
mRNA Refseq	NM_003370
Protein Refseq	NP_003361
MIM	601703

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UniProt ID

P50552

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