

## Human CAV3 Knockdown Cell Lysate

Cat. No. CAV3-089HKCL Lot. No. (See product label)

### SPECIFICATION

**Product Overview** WB-validated CAV3 Knockdown HeLa Cell Lysate

**Species** Human

**Source** HeLa

**Description**

This gene encodes a caveolin family member, which functions as a component of the caveolae plasma membranes found in most cell types. Caveolin proteins are proposed to be scaffolding proteins for organizing and concentrating certain caveolin-interacting molecules. Mutations identified in this gene lead to interference with protein oligomerization or intra-cellular routing, disrupting caveolae formation and resulting in Limb-Girdle muscular dystrophy type-1C (LGMD-1C), hyperCKemia or rippling muscle disease (RMD). Alternative splicing has been identified for this locus, with inclusion or exclusion of a differentially spliced intron. In addition, transcripts utilize multiple polyA sites and contain two potential translation initiation sites.

**Form** Cell-Tissue Lysis buffer

**Molecular Mass** 17 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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<b>Storage</b>	Store at -20 centigrade for two years.
<b>Concentration</b>	Lot-specific
<b>Shipping</b>	Blue Ice
<b>Components</b>	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg CAV3 KD HeLa cell lysate
<b>Protein Families</b>	Druggable Genome, Transmembrane
<b>Protein Pathways</b>	Focal adhesion
<b>Lysate QC</b>	RT-qPCR; Western Blotting (WB)

## GENE INFORMATION

<b>Gene Name</b>	CAV3 caveolin 3 [ Homo sapiens (human) ]
<b>Official Symbol</b>	CAV3
<b>Synonyms</b>	CAV3; caveolin 3; caveolin-3; LGMD1C; LQT9; M caveolin; VIP 21; VIP21; M-caveolin; VIP-21; MGC126100; MGC126101; MGC126129;
<b>Gene ID</b>	859
<b>mRNA Refseq</b>	NM_001234
<b>Protein Refseq</b>	NP_001225
<b>MIM</b>	601253

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