

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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 CAV3 KD HeLa cell lysate
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	Focal adhesion
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

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

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UniProt ID

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