

Recombinant Human CAV3 protein, GST-tagged

Cat. No. CAV3-18H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CAV3(1 a.a. - 151 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-151 a.a.
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	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	43.7 kDa
AA Sequence	MMAEEHTDLEAQIVKDIHCKEIDLVNRPKNINEDIVKVDVFEDVIAEPVGTYSFDGWW KVSYYTFTVSKYWCYRL LSTLLGVPLALLWGFLFACISFCHIWA VVPCIKSYLIEIQCI

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	SHIYSLCIRTFNPLFAALGQVCSSIKVLRKE V
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
GENE INFORMATION	
Gene Name	CAV3 caveolin 3 [Homo sapiens]
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
UniProt ID	P56539
Chromosome Location	3p25
Pathway	Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion

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of epithelial cells, conserved biosystem; Endocytosis, organism-specific biosystem;
Endocytosis, conserved biosystem; Focal Adhesion, organism-specific biosystem;
Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem;

Function

nitric-oxide synthase binding; protein C-terminus binding; protein binding; protein
complex binding; protein complex scaffold; sodium channel regulator activity;

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