

Recombinant Human CAV3 Protein, His&GST-tagged

Cat. No. CAV3-633H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CAV3 Protein (Met1-Val151) with His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Val151
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 47.3 kDa; Accurate Molecular Mass: 47 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

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

P56539

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