

Product Information

MemDX™ Membrane Protein Human CAV3 (Caveolin 3) Full Length

Cat. No.: **MPC0457K**

This product is for research use only and is not intended for diagnostic use.

This product is a 17.2 kDa Human CAV3 membrane protein expressed in Baculovirus/Insect expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

CAV3

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

17.2 kDa

TMD

1

Sequence

MMAEEHTDLEAQIVKDIHCKEIDLVNRPKNINEDIVKVDVFEDVIAEPVG
TYSFDGVWKVSYTTFTVSKYWCYRLLSTLLGVPLALLWGFLFACISFCHI
WAVVPCIKSYLIEIQCISHIYSLCIRTFCNPLFAALGQVCSSIKVVLRLKE
V

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

CAV3

Full Name

Caveolin 3

Introduction

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.

Alternative Names

LQT9; MPDT; RMD2; VIP21; LGMD1C; VIP-21; caveolin-3; M-caveolin; cavolin 3; CAV3; Caveolin 3

Gene ID

[859](#)

UniProt ID

[P56539](#)