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# Product Information

## MemDX™ Membrane Protein Human CAV3 (Caveolin 3) expressed in E.coli for Antibody Discovery

Cat. No.: **MP1390J**
This product is for research use only and is not intended for diagnostic use.

This product is a 44.3 kDa Human CAV3 membrane protein expressed in E.coli. 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**
Ion Channel

**Molecular Weight**
44.3 kDa

**Sequence**
MMAEEHTDLEAQIVKDIHCKEIDLVNRDPKNINEDIVKVDFEDVIAEPVGTYSFDGVWKVSYTTFTVSKYWCYRLLSTLLGVPLALLW

## Product Description

**Expression Systems**
E.coli

**Tag**
N-GST

**Form**
Liquid or Lyophilized powder

**Reconstitution**
Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration).

**Purity**

>85% as determined by SDS-PAGE

### Buffer

Liquid: Tris/PBS-based buffer, 5%-50% glycerol
Lyophilized powder: Tris/PBS-based buffer, 6% Trehalose, pH 8.0

### Storage

Store at +4°C for up to one week or several months at -80°C

## 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

CAV3; CAV3_HUMAN; Caveolin 3; Caveolin-3; LGMD1C; LQT9; M-caveolin; MGC126100; MGC126101; MGC126129; OTTHUMP00000115603; OTTHUMP00000207105; VIP 21; VIP21

### Gene ID

859

### UniProt ID

P56539