

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

MMAEEHTDLEAQIVKDIHCKEIDLVNRPKNINEDIVKVDFEDVIAEPVGTYSFDGVWKVSYTTFTVSKYWCYRLLSTLLGVPLALLW

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](#)