

Product Information

MemDX™ Membrane Protein Human CAV1 (Caveolin 1) Full Length

Cat. No.: **MPC0456K**

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

This product is a 20.4 kDa Human CAV1 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

CAV1

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

20.4 kDa

TMD

1

Sequence

MSGGKYVDSEGHLYTVPIREQGNIYKPNNKAMADELSEKQVYDAHTKEID
LVNRDPKHLNDDVVKIDFEDVIAEPEGTHSFDGIWKASFTTFTVTKYWFY
RLLSALFGIPMALIWGIYFAILSFLHIWAVVPCIKSFLIEIQCISRVYSI
YVHTVCDPLFEAVGKIFSNVRINLQKEI

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

CAV1

Full Name

Caveolin 1

Introduction

The scaffolding protein encoded by this gene is the main component of the caveolae plasma membranes found in most cell types. The protein links integrin subunits to the tyrosine kinase FYN, an initiating step in coupling integrins to the Ras-ERK pathway and promoting cell cycle progression. The gene is a tumor suppressor gene candidate and a negative regulator of the Ras-p42/44 mitogen-activated kinase cascade. Caveolin 1 and caveolin 2 are located next to each other on chromosome 7 and express colocalizing proteins that form a stable hetero-oligomeric complex. Mutations in this gene have been associated with Berardinelli-Seip congenital lipodystrophy. Alternatively spliced transcripts encode alpha and beta isoforms of caveolin 1.

Alternative Names

CGL3; PPH3; BSCL3; LCCNS; VIP21; MSTP085; caveolin-1; caveolin 1, caveolae protein, 22kDa; cell growth-inhibiting protein 32; CAV1; Caveolin 1

Gene ID

[857](#)

UniProt ID

[Q03135](#)