Datasheet for ABIN7597222

Caveolin-1 Protein

Go to Product page

Overview

Quantity:	50 µg
Target:	Caveolin-1 (CAV1)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	MNP Membrane Nanoparticle

Product Details

Purpose:	Human CAV1 full length protein-MNP

Target Details

Target:	Caveolin-1 (CAV1)
Alternative Name:	CAV1 (CAV1 Products)
Background:	BSCL3, CGL3, LCCNS, MSTP085, PPH3, VIP21 The scaffolding protein 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.
Molecular Weight:	The human full length CAV1 protein has a MW of 20.3 kDa

Target Details

UniProt:	Q03135
Pathways:	Maintenance of Protein Location, Signaling Events mediated by VEGFR1 and VEGFR2, Negative Regulation of Transporter Activity, VEGFR1 Specific Signals

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from PBS. Normally 5% – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months