Datasheet for ABIN7563384

Caveolin 3 Protein (CAV3) (AA 1-151) (His tag)

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Overview

Quantity:	1 mg
Target:	Caveolin 3 (CAV3)
Protein Characteristics:	AA 1-151
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Caveolin 3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Cav3 Protein expressed in mammalien cells.
Sequence:	MMTEEHTDLE ARIIKDIHCK EIDLVNRDPK NINEDIVKVD FEDVIAEPEG TYSFDGVWKV SFTTFTVSKY WCYRLLSTLL GVPLALLWGF LFACISFCHI WAVVPCIKSY LIEIQCISHI YSLCIRTFCN PLFAALGQVC SNIKVVLRRE G **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.

Product Details

	• State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	Caveolin 3 (CAV3)
Alternative Name:	Cav3 (CAV3 Products)
Background:	Caveolin-3 (M-caveolin),FUNCTION: May act as a scaffolding protein within caveolar membranes. Interacts directly with G-protein alpha subunits and can functionally regulate their activity. May also regulate voltage-gated potassium channels. Plays a role in the sarcolemma repair mechanism of both skeletal muscle and cardiomyocytes that permits rapid resealing of membranes disrupted by mechanical stress (PubMed:19380584). Mediates the recruitment of CAVIN2 and CAVIN3 proteins to the caveolae (By similarity). {ECO:0000250|UniProtKB:P56539, ECO:0000269|PubMed:19380584}.
Molecular Weight:	17.4 kDa
UniProt:	P51637
Pathways:	Carbohydrate Homeostasis, Regulation of Muscle Cell Differentiation, Regulation of Cell Size, Skeletal Muscle Fiber Development, Negative Regulation of Transporter Activity

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

