

Product datasheet for PH302703

Caveolin 2 (CAV2) (NM_001233) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CAV2 MS Standard C13 and N15-labeled recombinant protein (NP_001224)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202703
Predicted MW:	18.1 kDa
Protein Sequence:	>RC202703 representing NM_001233 Red=Cloning site Green=Tags(s) MGLETEKADVQLFMDSDSYSHSGLEYADPEKFADSDQDRDPHRLNLSHLKLGFEVDIAEPTVTHSFDKVV ICSHALFEISKYVMYKFLTVFLAIPAFIAGILFATLSCLHIWILMPFVKTCMLVLPVSVQTIWKSVDVI IAPLCTSVGRCFSSVSLQLSQD TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001224
RefSeq Size:	3332
RefSeq ORF:	486
Synonyms:	CAV
Locus ID:	858
UniProt ID:	P51636 , Q53X57



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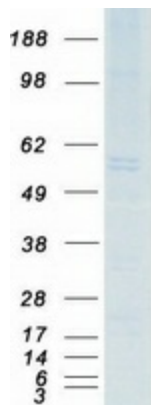
Cytogenetics: 7q31.2

Summary: The protein encoded by this gene is a major component of the inner surface of caveolae, small invaginations of the plasma membrane, and is involved in essential cellular functions, including signal transduction, lipid metabolism, cellular growth control and apoptosis. This protein may function as a tumor suppressor. This gene and related family member (CAV1) are located next to each other on chromosome 7, and express colocalizing proteins that form a stable hetero-oligomeric complex. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. Additional isoforms resulting from the use of alternate in-frame translation initiation codons have also been described, and shown to have preferential localization in the cell (PMID:11238462). [provided by RefSeq, May 2011]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Focal adhesion

Product images:



Coomassie blue staining of purified CAV2 protein (Cat# [TP302703]). The protein was produced from HEK293T cells transfected with CAV2 cDNA clone (Cat# [RC202703]) using MegaTran 2.0 (Cat# [TT210002]).