

Product datasheet for PH321140

Caveolin 3 (CAV3) (NM_033337) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CAV3 MS Standard C13 and N15-labeled recombinant protein (NP_203123)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221140
Predicted MW:	17.3 kDa
Protein Sequence:	>RC221140 protein sequence Red=Cloning site Green=Tags(s) MMAEEHTDLEAQIVKDIHCKEIDLVNRDPKNINEDIVKVFEDVIAEPVGTYSFDGVWVSYTTFTVSKY WCYRLLSTLLGVPLALLWGFLFACISFCHIWAVVPCIKSYLIEIQCIISHIYSLCIRTFCNPLFAALGQVC SSIKVLRKEV 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_203123
RefSeq Size:	1435
RefSeq ORF:	453
Synonyms:	LGMD1C; LQT9; MPDT; RMD2; VIP-21; VIP21
Locus ID:	859
UniProt ID:	P56539



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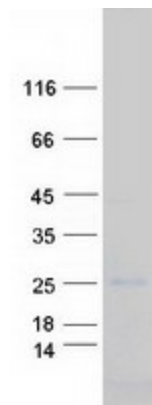
Cytogenetics: 3p25.3

Summary: 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 intracellular 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Focal adhesion

Product images:



Coomassie blue staining of purified CAV3 protein (Cat# [TP321140]). The protein was produced from HEK293T cells transfected with CAV3 cDNA clone (Cat# [RC221140]) using MegaTran 2.0 (Cat# [TT210002]).