

Product datasheet for TP321140

Caveolin 3 (CAV3) (NM_033337) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human caveolin 3 (CAV3), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221140 protein sequence Red =Cloning site Green =Tags(s) MMAEEHTDLEAQIVKDIHCKEIDLVRDPKNINEDIVKVDVFEDVIAEPVGTYSFDGWVKVSYTTFTVSKY WCYRLLSTLLGVPLALLWGFLFACISFCHIWA VPCIKSYLIEIQCISHIYSLCIRTF CNPLFAALGQVC SSIKVLRKEV TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	17.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_203123
Locus ID:	859
UniProt ID:	P56539
RefSeq Size:	1435


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Cytogenetics: 3p25.3

RefSeq ORF: 453

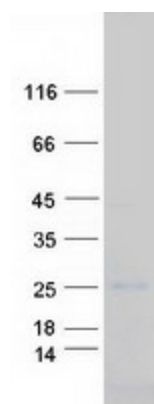
Synonyms: LGMD1C; LQT9; MPDT; RMD2; VIP-21; VIP21

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]).