

Product datasheet for **RG210118**

Caveolin 3 (CAV3) (NM_001234) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Caveolin 3 (CAV3) (NM_001234) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: Caveolin 3
Synonyms: LGMD1C; LQT9; MPDT; RMD2; VIP-21; VIP21
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG210118 representing NM_001234
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGGCAGAAGAGCACACAGATCTCGAGGCCAGATCGTCAAGGATATCCACTGCAAGGAGATTGACC
TGGTGAACCGAGACCCCAAGAACATTAATGAGGACATAGTCAAGGTGGATTTGAAGACGTGATCGCAGA
GCCTGTGGGCACCTACAGCTTTGACGGCGTGTGGAAGGTGAGCTACACCACCTTCACTGTCTCCAAGTAC
TGGTGCTACCGTCTGTTGTCCACGCTGCTGGGCGTCCACTGGCCCTGCTCTGGGGCTTCTGTTCGCT
GCATCTCCTTCTGCCACATCTGGGCGGTGGTCCATGCATTAAGAGCTACCTGATCGAGATCCAGTGCAT
CAGCCACATCTACTCACTCTGCATCCGCACCTTCTGCAACCCACTCTTCGCGGCCCTGGCCAGGTCTGC
AGCAGCATCAAGGTGGTCTGCGGAAGGAGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG210118 representing NM_001234
Red=Cloning site Green=Tags(s)
MMAEEHTDLEAQIVKDIHCKEIDLVNRDPKNINEDIVKVFEDVIAEPVGTYSFDGVWVSYTTFTVSKY
WCYRLLSTLLGVPLALLWGFLFACISFCHIWA>VVPCIKSYLIEIQCISHIYSLCIRTFCNPLFAALGQVC
SSIKVLRKEV

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

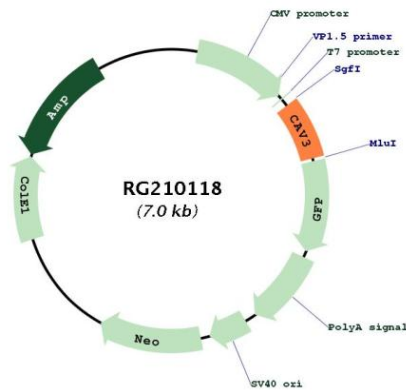


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Cytogenetics: 3p25.3
Protein Families: Druggable Genome, Transmembrane
Protein Pathways: Focal adhesion
Gene Summary:

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 intra-cellular 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]

Product images:



Circular map for RG210118