

Product datasheet for **RN200415**

Cav1 (NM_133651) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cav1 (NM_133651) Rat Untagged Clone
Tag: Tag Free
Symbol: Cav1
Synonyms: Cav
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN200415 representing NM_133651
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAGACGAGGTGAATGAGAAGCAAGTGTACGACGCGCACACCAAGGAGATTGATCTGGTCAACCGG
ACCCCAAGCATCTCAACGACGACGTGGTCAAGATTGACTTTGAAGATGTGATTGCGGAACCGAAGGGAC
ACACAGTTTCGACGGCATCTGGAAGGCCAGCTTACCACCTTCACTGTGACAAAAATTGGTTTTACCGC
TTGCTGTCTACCATCTTCGGCATCCCTATGGCGCTCATCTGGGGCATCTACTTTGCCATCCTCTCTTTCC
TGCACATCTGGGCAAGTGTACCGTGCATCAAGAGCTTCCTGATTGAGATTCAGTGCATCAGCCGTGTCTA
TTCCATCTACGTCCACACCTTCTGTGATCCACTCTTTGAAGCGATTGGCAAGATATTCAGCAATATCCGC
ATCAGCACGCAGAAAGAGATATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_133651

Insert Size: 444 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_133651.2, NP_598412.2</u>
RefSeq Size:	2576 bp
RefSeq ORF:	444 bp
Locus ID:	25404
Cytogenetics:	4q21
Gene Summary:	structural protein of lipid raft domains in the membrane called caveolae; functions as a cholesterol-binding/shuttling protein [RGD, Feb 2006] Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon compared to variant 1. The resulting protein (isoform beta) is shorter but has the same C-terminus compared to isoform alpha.