

Product datasheet for **RN200414**

Cav1 (NM_031556) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cav1 (NM_031556) 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:	>RN200414 representing NM_031556 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGGGGTAAATACGTAGACTCCGAGGGACATCTCTACACTGTTCCCATCCGGAACAGGGCAACA
TCTACAAGCCCAACAACAAGGCCATGGCAGACGAGGTGAATGAGAAGCAAGTGTACGACGCGCACACCAA
GGAGATTGATCTGGTCAACCGCGACCCCAAGCATCTCAACGACGACGTGGTCAAGATTGACTTTGAAGAT
GTGATTGCGGAACCAGAAGGGACACACAGTTTCGACGGCATCTGGAAGGCCAGCTTCACCACCTTCACTG
TGACAAAATATTGGTTTTACCGCTTGCTGTCTACCATCTTCGGCATCCCTATGGCGCTCATCTGGGGCAT
CTACTTTGCCATCCTCTTTTCTGCACATCTGGGCAGTTGTACCGTGCATCAAGAGCTTCTGATTGAG
ATTCAGTGCATCAGCCGTGTCTATTCCATCTACGTCCACACCTTCTGTGATCCACTCTTTGAAGCGATTG
GCAAGATATTCAGCAATATCCGCATCAGCACGCAGAAAGAGAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_031556
Insert Size:	537 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_031556.3</u> , <u>NP_113744.2</u>
RefSeq Size:	2584 bp
RefSeq ORF:	537 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 (1) represents the longer transcript and encodes the longer protein (isoform alpha).