

Product datasheet for RR211835

Nrcam (NM_013150) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nrcam (NM_013150) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nrcam
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211835 representing NM_013150
Red=Cloning site Blue=ORF Green=Tags(s)

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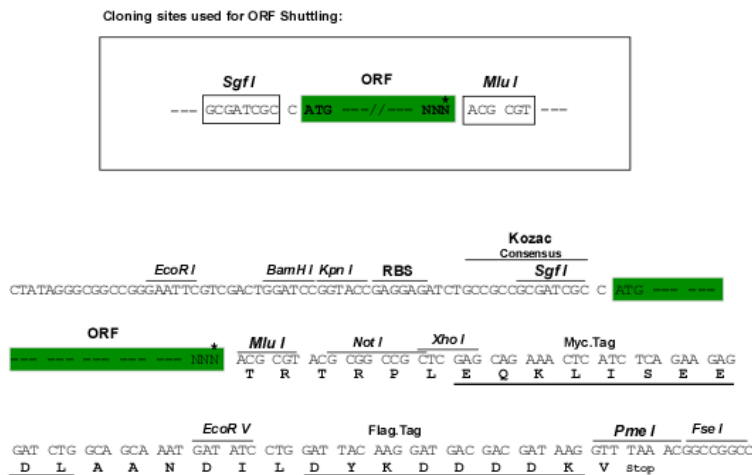
Protein Sequence: >RR211835 representing NM_013150
 Red=Cloning site Green=Tags(s)

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 PSFSWTRNGTHFDIDKDLVMTKPGSGLVINIMSEGKAET YEGVYQCTARNERGA AVSNNIVVRPSRSP
 LWTKERLEPIILRSGQSLVLP CRPP IGLPPAII FWM DNSFQRL PQSERVSQGLNGDLYFSNVLPEDTRED
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 MVAPGNVRVSVVNSTLAEAHWDPVPPKSVR GHLQGYRIYYWKAQSSSKRNRRIEKKILTFQGSKTHGML
 PGLQPYSHYVLNVRV VNGKGE GPASADRGFHTPEGVPSAPSSLKI VNP TLD SLTLEWDP PSHPNGILTEY
 ILKYQPINSTHELGPLVDL KIPANKTRWTLK NLFSTRYKFYFYAQT SVGSGSQIT EEAITTVDEAGILP
 PDVGAGKVRVAVSPRIGNV TAAAAETYANISWEYEGPEHV KFYVEYGVAGSKEEWRKEIVNGSRSSFGLKG
 LMPGTAYKVRVGAEGDSGFV SSEDVFETGPAMASRQVDIATQGWFI GLMCAVALLILILLIVCFIRRNGK
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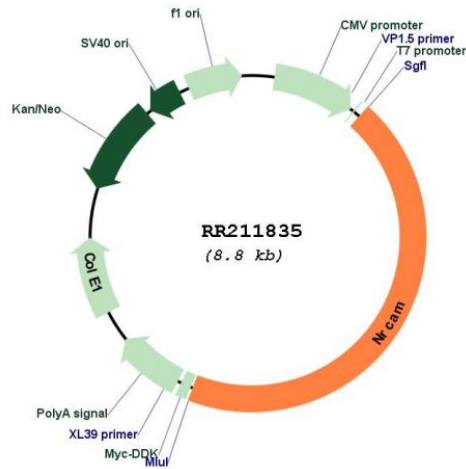
Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_013150

ORF Size: 3897 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:**
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: [NM_013150.1](#), [NP_037282.1](#)

RefSeq Size: 7556 bp

RefSeq ORF: 3900 bp

Locus ID: 497815

Cytogenetics: 6q21

MW: 143.1 kDa

Gene Summary: a neuronal cell adhesion molecule localized at the node of Ranvier of myelinated axons [RGD, Feb 2006]