

Product datasheet for **RR214505**

Sncb (NM_080777) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sncb (NM_080777) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sncb
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214505 representing NM_080777
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGTGTTTCATGAAGGGCCTGTCCATGGCCAAGGAGGGCGTTGTGGCTGCAGCTGAGAAAACCAAGC
AGGGGGTCACCGAGGCGGCAGAGAAGACCAAGGAAGGCGTCTCTACGTCGGAAGCAAGACCAAGAGGG
AGTGGTACAAGGCGTGGCCTCAGTGGCTGAGAAAACCAAGGAGCAGGCATCTCATCTGGGAGGAGCTGTG
TTCTCTGGGGCTGGGAACATTGCAGCAGCCACCGCCTGGTGAAGAAGGAGGAGTCCCCACAGACCTGA
AGCCAGAGGAAGTGGCCCAAGAAGCGGCTGAGGAGCCCTGATTGAGCCTCTGATGGAGCCTGAAGGGGA
AAGTTACGAGGACTACCCCAGGAGGAATATCAGGAATACGAGCCAGAGGCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214505 representing NM_080777
 Red=Cloning site Green=Tags(s)

MDVFMKGLSMAKEGVVAAAETKQGVTEAAEKTKEGVLYVGSKTKEGVVQGVASVAEKTKEQASHLGGAV
FSGAGNIAAATGLVKKEEFPTDLKPEEVAQEAAEEPLIEPLMEPEGESYEDSPQEEYQEYEPEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

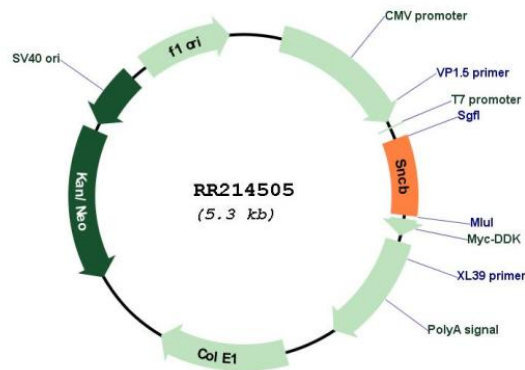


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Cloning Scheme:



Plasmid Map:



ACCN: NM_080777

ORF Size: 402 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:	<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_080777.2</u> , <u>NP_542955.2</u>
RefSeq Size:	1225 bp
RefSeq ORF:	405 bp
Locus ID:	113893
UniProt ID:	<u>Q63754</u>
Cytogenetics:	17p14
MW:	14.2 kDa
Gene Summary:	neuronal protein abundantly expressed in brain; may be involved with neuronal plasticity; human homolog is abundant in plaques that are a characteristic of Alzheimer's Disease [RGD, Feb 2006]