

Product datasheet for RR217549

Slc4a7 (NM_001270861) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc4a7 (NM_001270861) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Slc4a7
Synonyms: NBC3; NBCn1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR217549 representing NM_001270861
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCC**CGATCGCC**

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Protein Sequence: >RR217549 representing NM_001270861
 Red=Cloning site Green=Tags(s)

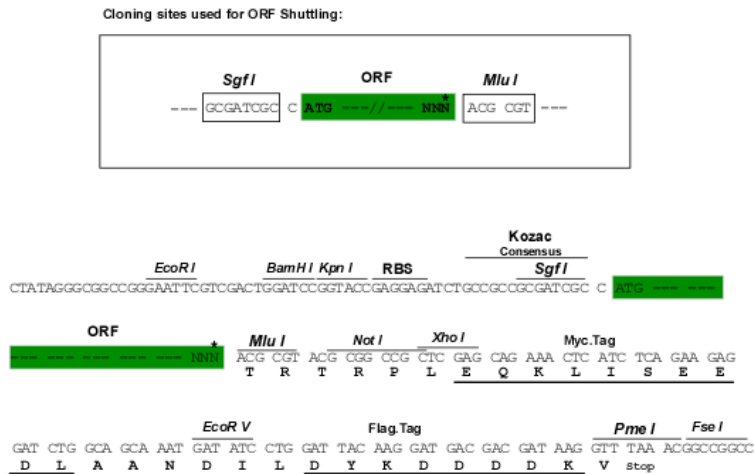
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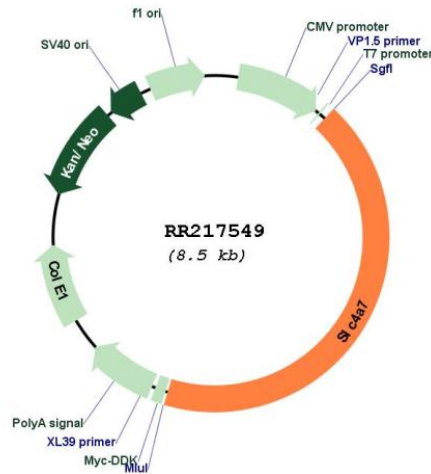
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001270861

ORF Size: 3654 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_001270861.1](#), [NP_001257790.1](#)

RefSeq Size: 3933 bp

RefSeq ORF: 3657 bp

Locus ID: 117955

UniProt ID: [Q9R1N3](#)

Cytogenetics: 15p16

MW: 136 kDa

Gene Summary: regulates intracellular pH in different cells along with Na⁺-driven HCO₃⁻ transporters, the Na⁺-driven Cl⁻/HCO₃⁻ exchanger [RGD, Feb 2006]