

Product datasheet for MR208700L3

Slc9b2 (NM_178877) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Slc9b2 (NM_178877) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Slc9b2

Synonyms: C80638; nha-oc; NHA2; nhaoc; NHE10; Nhedc2

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(MR208700).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_178877

ORF Size: 1641 bp



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Slc9b2 (NM_178877) Mouse Tagged Lenti ORF Clone - MR208700L3

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: <u>NM 178877.6</u>, <u>NP 849208.4</u>

RefSeq Size: 2243 bp
RefSeq ORF: 1644 bp
Locus ID: 97086
UniProt ID: Q5BKR2
Cytogenetics: 3 G3

Gene Summary: Na(+)/H(+) antiporter that extrudes Na(+) or Li(+) in exchange for external protons across the

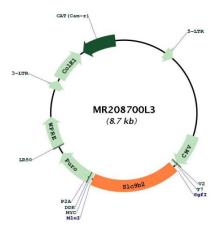
membrane (PubMed:18508966, PubMed:17988971). Contributes to the regulation of intracellular pH, sodium homeostasis, and cell volume. Plays an important role for insulin secretion and clathrin-mediated endocytosis in beta-cells (PubMed:23720317). Involved in sperm motility and fertility (PubMed:27010853). It is controversial whether SLC9B2 plays a

role in osteoclast differentiation (PubMed:17988971) or not (PubMed:20441802,

PubMed:22985540).[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for MR208700L3