

# Product datasheet for RC210194L4

### OriGene Technologies, Inc.

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## NCKX2 (SLC24A2) (NM\_020344) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: NCKX2 (SLC24A2) (NM\_020344) Human Tagged Lenti ORF Clone

Tag:mGFPSymbol:NCKX2Synonyms:NCKX2

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)

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

ORF Nucleotide The ORF insert of t

Sequence:

The ORF insert of this clone is exactly the same as(RC210194).

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_020344

ORF Size: 1983 bp





## NCKX2 (SLC24A2) (NM\_020344) Human Tagged Lenti ORF Clone - RC210194L4

**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 020344.3</u>

 RefSeq Size:
 10857 bp

 RefSeq ORF:
 1986 bp

 Locus ID:
 25769

 UniProt ID:
 Q9UI40

**Cytogenetics:** 9p22.1-p21.3

**Domains:** Na Ca Ex

**Protein Families:** Druggable Genome, Transmembrane

**MW:** 73.7 kDa

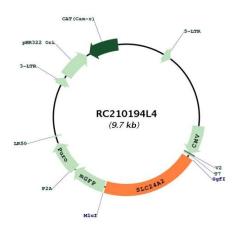
**Gene Summary:** This gene encodes a member of the calcium/cation antiporter superfamily of transport

proteins. The encoded protein belongs to the SLC24 branch of exchangers, which can mediate the extrusion of one Ca2+ ion and one K+ ion in exchange for four Na+ ions. This family member is a retinal cone/brain exchanger that can mediate a light-induced decrease in free Ca2+ concentration. This protein may also play a neuroprotective role during ischemic brain injury. Alternative splicing results in multiple transcript variants. [provided by RefSeq,

Aug 2011]



# **Product images:**



Circular map for RC210194L4