

Product datasheet for **RC210194L4V**

NCKX2 (SLC24A2) (NM_020344) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NCKX2 (SLC24A2) (NM_020344) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NCKX2
Synonyms:	NCKX2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_020344
ORF Size:	1983 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210194).
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.
RefSeq:	NM_020344.3
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


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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 Ca^{2+} 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 Ca^{2+} 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]