

## Product datasheet for RC224053L4V

## OriGene Technologies, Inc.

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## NKCC1 (SLC12A2) (NM\_001046) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

Product Type: Lentiviral Particles

Product Name: NKCC1 (SLC12A2) (NM\_001046) Human Tagged ORF Clone Lentiviral Particle

Symbol: NKCC1

Synonyms: BSC; BSC2; KILQS; NKCC1; PPP1R141

Mammalian Cell

Selection:

Puromycin

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

Tag: mGFP

**ACCN:** NM\_001046 **ORF Size:** 3636 bp

**ORF Nucleotide** 

The ORF insert of this clone is exactly the same as(RC224053).

OTI Disclaimer:

Sequence:

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.

**RefSeg:** NM 001046.2

 RefSeq Size:
 6891 bp

 RefSeq ORF:
 3639 bp

 Locus ID:
 6558

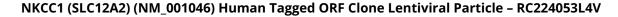
 UniProt ID:
 P55011

 Cytogenetics:
 5q23.3

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Vibrio cholerae infection





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**MW:** 131.3 kDa

**Gene Summary:** The protein encoded by this gene mediates sodium and chloride transport and reabsorption.

The encoded protein is a membrane protein and is important in maintaining proper ionic balance and cell volume. This protein is phosphorylated in response to DNA damage. Three transcript variants encoding two different isoforms have been found for this gene. [provided

by RefSeq, Jan 2012]