

Product datasheet for RC215055L3

OriGene Technologies, Inc.

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SLC12A6 (NM_001042496) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: SLC12A6 (NM 001042496) Human Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: SLC12A6

Synonyms: ACCPN; KCC3; KCC3A; KCC3B

Mammalian Cell Puromycin

Selection:

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

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

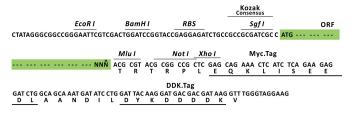
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC215055).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001042496

ORF Size: 3423 bp





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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 001042496.1</u>

 RefSeq Size:
 7754 bp

 RefSeq ORF:
 3426 bp

 Locus ID:
 9990

UniProt ID: Q9UHW9

Cytogenetics: 15q14

Protein Families: Transmembrane

MW: 126.4 kDa

Gene Summary: This gene is a member of the K-Cl cotransporter (KCC) family. K-Cl cotransporters are integral

membrane proteins that lower intracellular chloride concentrations below the

electrochemical equilibrium potential. The proteins encoded by this gene are activated by cell swelling induced by hypotonic conditions. Alternate splicing results in multiple transcript variants encoding different isoforms. Mutations in this gene are associated with agenesis of

the corpus callosum with peripheral neuropathy. [provided by RefSeg, Jul 2008]