

Product datasheet for RC226186L3

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Chloride Channel 5 (CLCN5) (NM_001127898) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Chloride Channel 5 (CLCN5) (NM_001127898) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Chloride Channel 5

Synonyms: CIC-5; CLCK2; DENTS; hCIC-K2; NPHL1; NPHL2; XLRH; XRN

Mammalian Cell Puromycin

Selection:

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

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

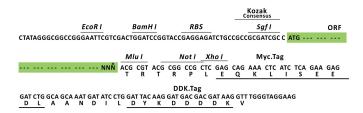
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC226186).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_001127898

ORF Size: 2448 bp





Chloride Channel 5 (CLCN5) (NM_001127898) Human Tagged Lenti ORF Clone - RC226186L3

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 001127898.1</u>

RefSeq ORF: 2451 bp Locus ID: 1184

UniProt ID: P51795
Cytogenetics: Xp11.23

Protein Families: Druggable Genome, Ion Channels: Other, Transmembrane

MW: 90.6 kDa

Gene Summary: This gene encodes a member of the CIC family of chloride ion channels and ion transporters.

The encoded protein is primarily localized to endosomal membranes and may function to facilitate albumin uptake by the renal proximal tubule. Mutations in this gene have been

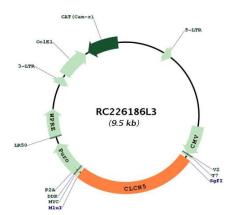
found in Dent disease and renal tubular disorders complicated by nephrolithiasis.

Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq,

Jan 2013]



Product images:



Circular map for RC226186L3