

## Product datasheet for **RC226186L3V**

### Chloride Channel 5 (CLCN5) (NM\_001127898) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Chloride Channel 5 (CLCN5) (NM_001127898) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CLCN5
Synonyms:	CIC-5; CLC5; CLCK2; DENTS; hCIC-K2; NPHL1; NPHL2; XLRH; XRN
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001127898
ORF Size:	2448 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC226186).
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. <a href="#">More info</a>
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:	<a href="#">NM_001127898.1</a>
RefSeq ORF:	2451 bp
Locus ID:	1184
UniProt ID:	<a href="#">P51795</a>
Cytogenetics:	Xp11.23
Protein Families:	Druggable Genome, Ion Channels: Other, Transmembrane
MW:	90.6 kDa



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**Gene Summary:**

This gene encodes a member of the ClC 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]