

## Product datasheet for **RC204775L4V**

### TMEM27 (CLTRN) (NM\_020665) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

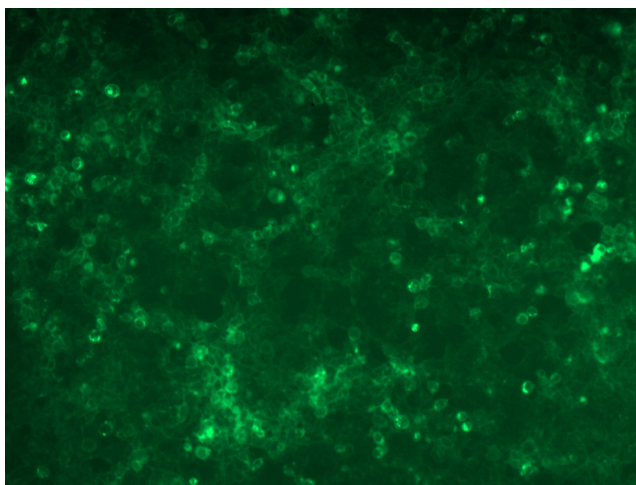
Product Type:	Lentiviral Particles
Product Name:	TMEM27 (CLTRN) (NM_020665) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CLTRN
Synonyms:	NX-17; NX17; TMEM27
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_020665
ORF Size:	666 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204775).
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_020665.2</a>
RefSeq Size:	1580 bp
RefSeq ORF:	669 bp
Locus ID:	57393
UniProt ID:	<a href="#">Q9HBJ8</a>
Cytogenetics:	Xp22.2
Protein Families:	Transmembrane
MW:	25.2 kDa



[View online »](#)

**Gene Summary:**

This gene encodes a type 1 transmembrane protein that is important for trafficking amino acid transporters to the apical brush border of proximal tubules. The encoded protein binds to amino acid transporters and regulates their expression on the plasma membrane. It also plays a role in controlling insulin exocytosis by regulating formation of the SNARE (soluble N-ethylmaleimide-sensitive-factor attachment protein receptor) complex in pancreatic beta cells. The extracellular domain of the encoded protein may be cleaved and shed from the plasma membrane specifically in pancreatic beta cells. [provided by RefSeq, Jun 2013]

**Product images:**

[RC204775L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC204775L4V particle to overexpress human CLTRN-mGFP fusion protein.