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Product datasheet for RC201422L3V

Transmembrane Protein 175 (TMEM175) (NM_032326) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Transmembrane Protein 175 (TMEM175) (NM_032326) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Transmembrane Protein 175
Synonyms:	hTMEM175
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_032326
ORF Size:	1512 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC201422).`
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.
RefSeq:	NM_032326.2, NP_115702.1
RefSeq Size:	1884 bp
RefSeq ORF:	1515 bp
Locus ID:	84286
UniProt ID:	Q9BSA9
Cytogenetics:	4p16.3
Protein Families:	Transmembrane

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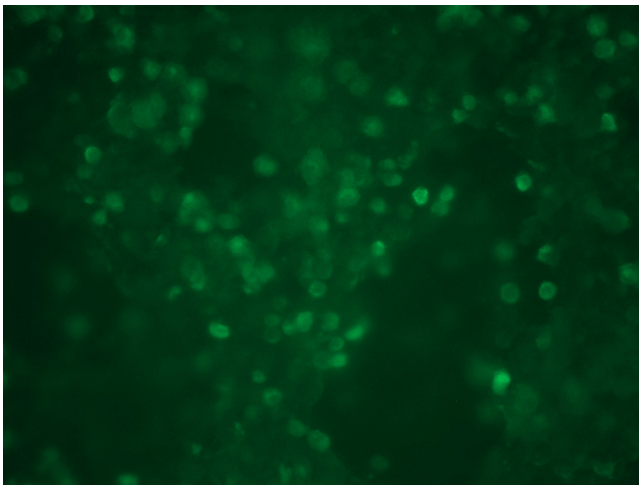
MW: 55.6 kDa

Gene Summary: Organelle-specific potassium channel specifically responsible for potassium conductance in endosomes and lysosomes. Forms a potassium-permeable leak-like channel, which regulates lumenal pH stability and is required for autophagosome-lysosome fusion. Constitutes the major lysosomal potassium channel.[UniProtKB/Swiss-Prot Function]

Product images:



[RC201422L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC201422L3V particle to overexpress human TMEM175-Myc-DDK fusion protein.