

Product datasheet for **RC229400L4V**

TMEM16A (ANO1) (NM_018043) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TMEM16A (ANO1) (NM_018043) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TMEM16A
Synonyms:	DOG1; ORAOV2; TAOS2; TMEM16A
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_018043
ORF Size:	2958 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC229400).
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_018043.5
RefSeq ORF:	2961 bp
Locus ID:	55107
UniProt ID:	Q5XXA6
Cytogenetics:	11q13.3
Domains:	DUF590
Protein Families:	Transmembrane
MW:	113.9 kDa



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Gene Summary:

Calcium-activated chloride channel (CaCC) which plays a role in transepithelial anion transport and smooth muscle contraction. Required for the normal functioning of the interstitial cells of Cajal (ICCs) which generate electrical pacemaker activity in gastrointestinal smooth muscles. Acts as a major contributor to basal and stimulated chloride conductance in airway epithelial cells and plays an important role in tracheal cartilage development. [UniProtKB/Swiss-Prot Function]