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Product datasheet for RC205233

TMEM127 (NM_017849) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM127 (NM_017849) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TMEM127
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC205233 representing NM_017849
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTACGCCCCCGGAGGCGCAGGGCTGCCCGGCGGGCGCCGGCGGAGGAGCCCGGGAGGCAGCGCTCTGC
CCAAGCAGCCGGAGCGTAGCCTGGCCTCGGCCCTGCCTGGCGCCCTGTCTATCACGGCGCTGTGCACTGC
CCTCGCCGAGCCCGCCTGGTTGCACATCCACGGAGGCACCTGTTCGCGCCAGGAGCTGGGGGTCTCCGAC
GTGTTGGGCTATGTGCACCCGGACCTGCTGAAAGATTTCTGCATGAATCCCCAGACAGTGCTGCTCCTGC
GGGTCATCGCCGCCTTCTGTTTCCTGGGCATCCTGTGTAGTCTCTCCGCTTTCCTTCTGGATGTCTTTGG
GCCGAAGCATCCTGCTCTGAAGATCACTCGTCGCTATGCCTTCGCCCATATCCTAACGGTTCTGCAGTGT
GCCACCGTCATTGGCTTTTCTTATTGGGCTTCTGAACTCATCTTGGCCCAGCAGCAGCAGCATAAGAAGT
ACCATGGATCCCAGGTCTATGTCACCTTCGCCGTTAGCTTCTACCTGGTGGCAGGAGCTGGTGGAGCCTC
AATCCTGGCCACGGCAGCCAACCTCCTGCGCCACTACCCCACAGAGGAAGAGGAGCAGGCGCTGGAGCTG
CTCTCAGAGATGGAAGAGAACGAGCCCTACCCGGCGGAATATGAGGTCATCAACCAGTTCCAGCCACCCC
CTGCTTACACACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>RC205233 representing NM_017849
Red=Cloning site Green=Tags(s)

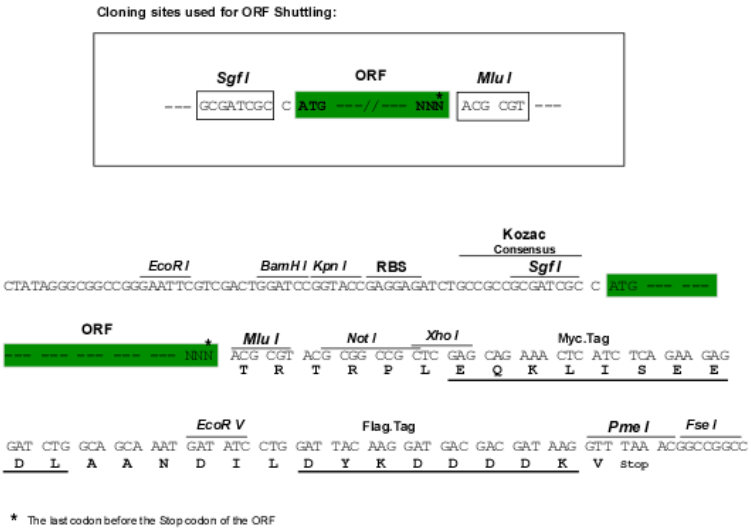
MYAPGGAGLPGGRRRRSPGGSALPKQPERSLASALPGALSITALCTALAEPAWLHIHGGTCSRQELGVSD
VLGYVHPDLLKDFCMNPQTVLLLRVIAAFCFLGILCSLSAFLLDVFGPKHPALKITRRYAFAHILTVLQC
ATVIGFSYWASELILAQQQQHKKYHGSQVYVTFAVSFYLVAGAGGASILATAANLLRHYPTEEEEQALEL
LSEMEENEPYPAEYEVINQFQPPPAYTP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1479_c09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017849

ORF Size: 714 bp

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: NM_017849.4

RefSeq Size: 4223 bp

RefSeq ORF: 717 bp

Locus ID: 55654

UniProt ID: O75204

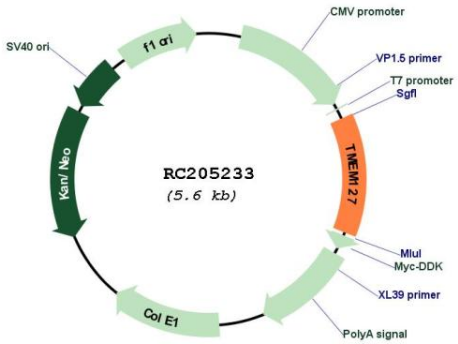
Cytogenetics: 2q11.2

Protein Families: Transmembrane

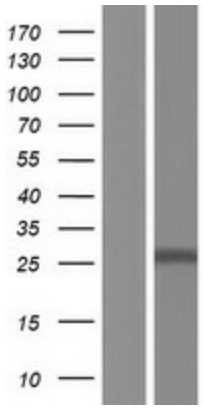
MW: 25.7 kDa

Gene Summary: This gene encodes a transmembrane protein with 3 predicted transmembrane domains. The protein is associated with a subpopulation of vesicular organelles corresponding to early endosomal structures, with the Golgi, and with lysosomes, and may participate in protein trafficking between these structures. Mutations in this gene and several other genes cause pheochromocytomas. Alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq, Aug 2010]

Product images:



Circular map for RC205233



Western blot validation of overexpression lysate (Cat# [LY413461]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205233 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).