

Product datasheet for **RR210415**

Tmem163 (NM_001110763) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem163 (NM_001110763) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem163
Synonyms:	RGD1306212; Sv31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR210415 representing NM_001110763 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAGCGGGCCCGGGCAGCGAGCGCCGAGCCCCCTGGCCCTGGAGTCCCGCGGCCGCCACCGCGGG
 GCCACGCGCCCTCGACCGCCGCCCGCCCCCAACCGGCTCCTCTGAGCTCCTCTATGCAGCCGGACGA
 GGAGCGGCAGCCGCGGATCAGCGAGAGCGGCCAGTTCAGCGACGGTTTGAGGACCGAGGTTTACTAGAA
 AGCAGCACCCGGCTGAAACCTCACGAAGCCAGAAGTACAGGAAGAAGGCATTGTGGGTATCCTGGCTGT
 CCATTATTGTACCCCTGGCCCTGGCAGTGGCCGCTTCACTGTCTCCGTCATGAGGTACAGCGCCTCTGC
 CTTCGGGTTTGATTTGATGCCATCCTGGATGTGCTGTCTCGGCCATTGTCTCTGGCGTTACAGCAAC
 GCAGCCGCCGTGCACTCTGCTCACAGGGAGTATATAGCCTGTGTCTCTTGGGGTGATCTTTCTCTGT
 CATCTATATGCATAGTGGTCAAAGCTATCCATGACCTCTCAACAAGGCTGCTTCTGAAGTGACGATTT
 CCTGTTTCAGCGTCTCCATTTTAAGTGGGATCCTTTCAGCGTCTGGCTGTGTTGAAGTTCATGCTGGGG
 AAGTCTTGACAAGCAGAGCTCTCATCACGGATGGGTTCAACTCCCTTGTGGGGGAGTGATGGGCTTCT
 CTATCCTTCTAAGTGCGGAAGTGTCAAACACAATGCAGCAGTCTGGTACCTGGACGGCAGCATCGGTGT
 CCTGATCGGTCTCACCATCTTTGCCTACGGGTCAAGCTCCTCATCGACATGGTGCCAGAGTGAGACAG
 ACGCGTCATTATGAAATGTTTGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTAA


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Protein Sequence: >RR210415 representing NM_001110763

Red=Cloning site Green=Tags(s)

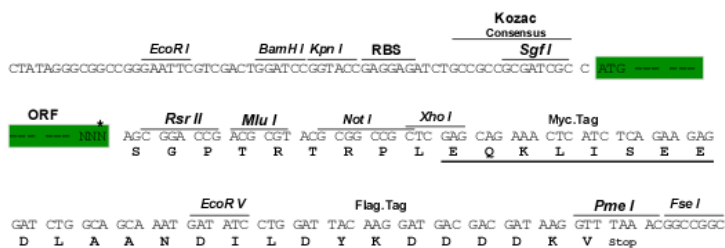
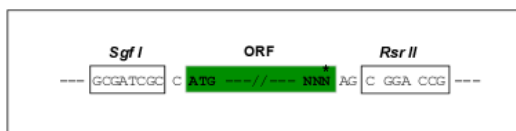
MERAPGSERRSPPGVGPVRPPRRGHAPSTAAPAPNPAPLSSMQPDEERQPRISESGQFSDGFE_{DRGLLE}
 SSTR_{LK}PH_{EAQ}NYR_{KK}AL_{WV}SW_{LS}II_{VT}LAL_{AVA}AF_{TV}SM_{RY}SAS_{AF}G_{FA}FD_{AIL}D_{VL}SS_{AI}VL_{WRY}SN
 AA_{AV}HS_{AH}RE_{YI}AC_{VI}L_{GV}IF_{LL}SS_{IC}IV_{VK}AI_{HD}L_{STR}LL_{PE}VD_{DF}L_{FS}V_{IL}S_{GIL}CS_{VL}AV_{LK}FM_{LG}
 K_{VL}TS_{RAL}I_{TD}GF_{NS}L_{VGG}V_{MG}S_{ILL}SA_{EV}FK_{HA}AV_{WY}LD_{GS}IG_{VL}IG_LT_{IF}AY_{GV}K_{LL}ID_{MV}PR_{VR}Q
 TRHYE_{ME}

SGPTRRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 001110763

ORF Size: 864 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_001110763.2](#), [NP_001104233.2](#)

RefSeq Size: 1804 bp

RefSeq ORF: 867 bp

Locus ID: 360839

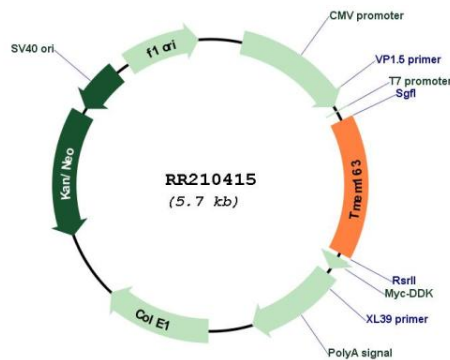
UniProt ID: [A9CMA6](#)

Cytogenetics: 13q13

MW: 31.3 kDa

Gene Summary: May bind zinc and other divalent cations and recruit them to vesicular organelles.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR210415