

Product datasheet for **RR205635**

Tmem237 (NM_001108220) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem237 (NM_001108220) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem237
Synonyms:	Als2cr4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR205635 representing NM_001108220 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGTGGAGCCTCGTGAGGAAGTGTTATTCCAAACCTCGAAGGAAGGCGAAGAAATGCAGCCAG
CGGAACCACAGTATGCCAGCGAGCTAGGGGTAGAAGATGAAGACGTAATTACGGATGAGCAGAGCACTCT
AGAACACCACTCTAGGTTACCGCACCCACCGGAGTCAGCCAGCCTGTTGGCAAAATATTTGTGGAAAAA
AGCCGGAGATTTAGGCGGCGGACCGTTTCGGAGTTGATAAAGACCACAGAAAACGTAGATGTGTCAATGG
ACATGAAGCCATCTTGGACTACCCGCGATGTGGCACTTTCCGTGCACCGAGCTTTCAGGATGATCGGCCT
CTTCTCTACGGCTTCTTGGCTGGCTGTGTGTGGAATATTGTTGTGATCTGTGTTCTCGCGGGAGAC
CAGTTCTCTAATGTCTCCAACCTTCTGCAGCAGTACAAGCCCTTGGCATATCCCTTCCAGAGCCTTCTTT
ACTTGCTTTTGGCTCTAAGTACAGTTTCAGCATTTGACAGGATCGACTTTGCTAAACCTCAGTAGCAAT
CCGGAACTTTTGGCCCTGGAGCCAACAGCTTTAGCCTCTTCTTGTATTTTACTGCTCTAACATATCT
CTGAGTCAGCAATGACAAGTGACAGAACTACCTTTACGAACCTTCTGTCAATGGAAGCCTCTGGCCAG
CAGAAGTGGAGGAACCGGTTCTCATGCCATGGGTCAAGTGAATCTGGTGGTGGCGCTTCTGGTTGGATT
AGCCTGGCTCTTTTGTCTTACAGGCCAGGCATGGATCTTAGTGAAGAGTTGATGTTCTTTCTGATGTG
GACGAGTACCCCGAGAGAGGAGTCAAAGCGTCTCCG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RR205635 representing NM_001108220
 Red=Cloning site Green=Tags(s)

MDVEPREEVVIPKPRRKAKKMQPAEPQYASELGVEDVDITDEQSTLEHHSRFTAPTGVSQPVGKIFVEK
 SRRFQAADRSELIKTTENVVDVSMKPSWTTTRDVALSVHRAFRMIGLF SHGFLAGCAVWNIIVICVLAD
 QFSNVSNLLQQYKPLAYPFQSLLYLLLALSTVSADFDRIDFAKTSVAIRNFLALEPTALASFLYFTALTLS
 LSQQMTSDRIYLYEPSVNGSLWPAEEVEPVLMPWVIVNLVVALLVGLAWLFLSYRPGMDLSEELMFFSDV
 DEYPERGVKASP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001108220

ORF Size: 876 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_001108220.1, NP_001101690.1

RefSeq Size: 1891 bp

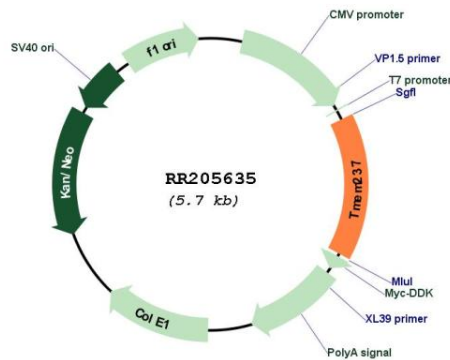
RefSeq ORF: 879 bp

Locus ID: 316412

Cytogenetics: 9q31

MW: 32.8 kDa

Product images:



Circular map for RR205635