

Product datasheet for MR214587

Tmem230 (NM_027478) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem230 (NM_027478) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmem230
Synonyms: 5730494N06Rik; AA407821
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR214587 representing NM_027478
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGCCGTCTCGTACCAACCTGGCAACTGGACTCCCCAGCAGTAAAGTCAAATATTCAAGGCTTGCCA
GCACAGACGATGGCTACATTGACCTTCAGTTTAAAAAAGCCCTCCTAAGATCCCTTATAAGGCCATTGC
CCTTGCTACCGTGCTGTTTTGATTGGCACCTTCTCATAATCATAGGCTCTCTCCTGCTGTCGGGCTAC
ATCAGCAAAGGGGGGCGAGCCGAGCCGTTCTGTCTCATCATAGGCATTTGGTGTTCCTACCGGAT
TTTACCATTTGCGCATCGCCTATTATGCATCCAAGGGCTACCGGGTTACTCCTACGATGACATTCCAGA
CTTTGATGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR214587 representing NM_027478
Red=Cloning site Green=Tags(s)
MMPSTRNLATGLPSSKVKYSRLASTDDGYIDLQFKSPPKIPYKAIALATVLFLLIGTFLIIIGSLLLSGY
ISKGGADRAVPVLIIGILVFLPGFYHLRIAYYASKGYRGYSYDDIPDFDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9026_b01.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_027478

ORF Size: 360 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_027478.3](#), [NP_081754.2](#)

RefSeq Size: 1606 bp

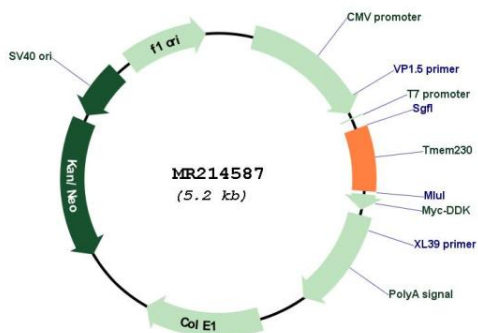
RefSeq ORF: 363 bp

Locus ID: 70612

UniProt ID: [Q8CIB6](#)

Cytogenetics: 2 F2
 MW: 13.6 kDa
 Gene Summary: Involved in trafficking and recycling of synaptic vesicles.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR214587