

Product datasheet for MR206330

Tmem246 (NM_025944) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem246 (NM_025944) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmem246
Synonyms: 2810432L12Rik; 9330170P15Rik; AI835809
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR206330 representing NM_025944
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACCACGTCAACCTCTCCAGCTGCCATGCTTCTCCGGAGGCTTCGGCGACTCTCTGGGGCAGCACAG
 CTGTGCAGCTCTTCACTTAACCGTGGTACATTTGGCTTACTGGCCCCGCTGGCCTGCCACCGGCTCT
 CCACTCATATTTCTATCTGCGTCATTGGCATCTAAACCAGATGAGCCAGGACTTCTGCAGCAGAGCCTG
 AAGGAGGGGAAGCTGCCCTTCACTACTTTGAAGAGCTGCCCTTGCCAATGGGTCTGTGCCATCGTCT
 GGCAGGCCACTCCCCGCCCTGGCTGGTATTACCATAATCACTGTGGATAGGCAGCCTGGCTTTCATTA
 TGTCTTACAGGTAGTATCCCAGTTCATCGGCTTCTGCAGCAGTGCAGCCCCAGTGTGAAGGGCACCAG
 CTCTTCTGTGCAATGTGGAACGGAGTGTGAGCCATTTGATGCTAAGCTGCTCTCTAAGTACGTCCTG
 TGGCAACCGCTACGAGGGCACCGAAGACGATTACGGTGTGACCCCTTCCACTAACTCATTTGAGAAAGA
 GAAGCAAGACTATGTGTATTGCCTGGAGTCATCGCTGCAAACCTACAATCCAGACTATGCTCTGATGGTG
 GAGGATGATGCTATTCCAGAAGAAGAGATCTTCCAGTATTGGAGCACCTCCTGCGTGCTCGTTCTCTG
 AGCCACACCTCCAAGATGCCCTGTATCTAAAGCTCTATCACCCAGAGAGGCTACAGCACTACATCAACCC
 AGAGCCTATGCGGATCCTGGAGTGGGTTGGTGTGGCATGCTGCTGGGGCCTGTGCTAACCTGGATCTAC
 ATGAGGTTTGCCTGCCGCCAGGCTTCCAGCTGGCCTGTCTTTTCTCTGTCTACAGCATGGGGC
 TGGTGGAACTGGTGGCCGACACTATTTTCTGGAAGTGCAGGCGCTGAGTCCCTCCTTGTACAGTGTGGT
 TCTGCTCTCAGTGTTGTACCCCGCTATGCTCTTCCCTGCCCTGCTGCCCGCAGGACCTCACCTAC
 CTGTCCCAGGTGTACTGCCACAAGGGCTTTGGCAAAGACATGGCACTGTACTCTCTGCTGAGAGCCAAGG
 GGGAGAGGGCCTATGTGGTGGAGCCCAACCTTGTGAAACACATTGGGCTCTTCTCCAGCCTACGGTACAA
 TTTTCATCCAGCCTACTG

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206330 representing NM_025944
Red=Cloning site Green=Tags(s)

MTTSTSPAAMLLRRLRRLSWGSTAVQLFILTVVTFGLLAPLACHRLLHSYFYLRHWHLNQMSQDFLQQSL
 KEGEAAALHYFEELPSANGSVPIVWQATPRPWLVIITVDRQPGFHYVLQVVSQFHRLQQCGPQCEGHQ
 LFLCNVERSVSHFDAKLLSKYVPVANRYEGTEDDYGDDPSTNSFEKEKQDYVYCLESSLQTYNPDYVLMV
 EDDAIPEEQIFPVLEHLLRARFSEPHLQDALYLKLYHPERLQHYINPEPMRILEWVGVGMLLGPVLTWIIY
 MRFACRPGFSWPVMLFFCLYSMGLVELVGRHYFLELRRLSPSLYSVVPASQCCTPAMLPAPAARRTLTY
 LSQVYCHKGFGKDMALYSLLRAKGERAYVVEPNLVKHIGLFSSLRYNFHPSLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9026_g05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_025944

ORF Size: 1209 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_025944.4](#)

RefSeq Size: 2983 bp

RefSeq ORF: 1212 bp

Locus ID: 67063

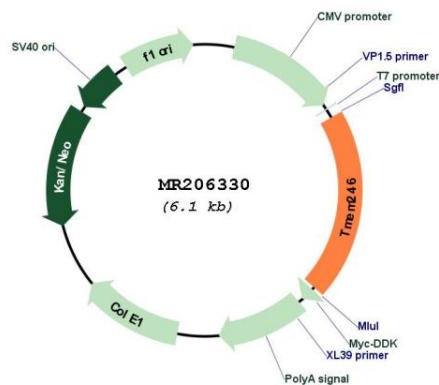
UniProt ID: [Q91YV9](#)

Cytogenetics: 4 B1

MW: 47 kDa

Gene Summary: Golgi-resident glycosylphosphatidylinositol (GPI)-N-acetylgalactosamine transferase involved in the lipid remodeling steps of GPI-anchor maturation. Lipid remodeling steps consist in the generation of 2 saturated fatty chains at the sn-2 position of GPI-anchors proteins. Required for the initial step of GPI-GalNAc biosynthesis, transfers GalNAc to GPI in the Golgi after fatty acid remodeling by PGAP2.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206330