

Product datasheet for **RC209735**

TMEM50A (NM_014313) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM50A (NM_014313) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TMEM50A
Synonyms: IFNRC; SMP1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC209735 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGATTTCTAGAGGGCTTGAGATGCTCAGAATGCATTGACTGGGGGAAAAGCGCAATACTATTG
CTTCCATTGCTGCTGGTACTATTTTTACAGGCTGGTGGATTATCATAGATGCAGCTGTTATTTATCC
CACCATGAAAGATTTCAACCACTCATACCATGCCTGTGGTGTATAGCAACCATAGCCTTCTAATGATT
AATGCAGTATCGAATGGACAAGTCCGAGGTGATAGTTACAGTGAAGTGTCTGGGTCAAACAGGTGCTC
GCATTTGGCTTTTCGTTGGTTTCATGTTGGCCTTTGGATCTCTGATTGCATCTATGTGGATTCTTTTTGG
AGGTTATGTTGCTAAAGAAAAGACATAGTATACCTGGAATTGCTGTATTTTTCCAGAATGCCTTCATC
TTTTTTGGAGGGCTGGTTTTTAAGTTTGGCCGCACTGAAGACTTATGGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC209735 protein sequence
Red=Cloning site Green=Tags(s)
MSGFLEGLRCSECIDWGEKRNTIASIAAGVLFFTGWIIIDA AVIYPTMKDFNHSYHACGVIATIAFLMI
NAVSNGQVRGDSYSEGCLGQTGARIWLFVGFMLAFGSLIASMWILFGGYVAKEKDIVYPGIAVFFQNAFI
FFGGLVFKFGRTEDLWQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6510_g12.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014313

ORF Size: 471 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_014313.4](#)

RefSeq Size: 2327 bp

RefSeq ORF: 474 bp

Locus ID: 23585

UniProt ID: [O95807](#)

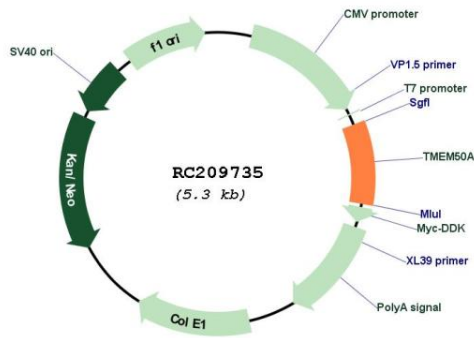
Cytogenetics: 1p36.11

Protein Families: Transmembrane

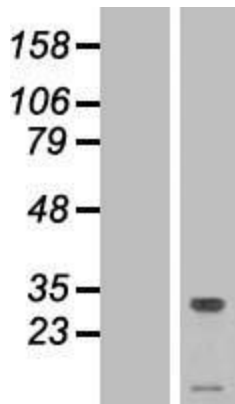
MW: 17.4 kDa

Gene Summary: This gene is located in the RH gene locus, between the RHD and RHCE genes. The function of its protein product is unknown; however, its sequence has potential transmembrane domains suggesting that it may be an integral membrane protein. Its position between the RH genes suggests that polymorphisms in this gene may be tightly linked to RH haplotypes and may contribute to selective pressure for or against certain RH haplotypes. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC209735



Western blot validation of overexpression lysate (Cat# [LY415369]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209735 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).