

Product datasheet for **MR206774**

Tmem184a (NM_001161548) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem184a (NM_001161548) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem184a
Synonyms:	Sdmg1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206774 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGAATGCGTCAGGGTTTCTGAAGACAGCCGGAGCCCCCTCGTGTACGCGACTGGCTTCCACCCA
 GCCCCCTCCGGCAATGCCACAGTGGCAGCCGGCCACAGATGGAGCGGTGGACAACGGCTCGCAGGG
 GGCCCCCAGCTTCTCTCACCAGCGCATTGGCCCGAGGCGTTTCAGGCGTGTGGTATGGACTGCTCTG
 CTGCTAACCGGCCACCAGATCTACTCCCACCTACGTTCTATACCGCCCCGAGAGCAGCGCTTCGTCA
 TCCGCCTCCTGTTATTGTGCCATCTACGCCTTCGACTCCTGGCTCAGCCTCCTCCTTGGGGGCCA
 TCCTTACTACGTCTACTTCGACTCTGTGCGAGACTGCTACGAAGCATTGTGCATCTACAGTTTCCTGACC
 TTGTGCTTCCAATATCTGGGGGCGAGAGCGCCATCATGGCTGAGATCCGAGGCAAACCTATCAGGTCCA
 GCTGCTTCTATGGACCTGCTGCCTCCGTGGTATGTCCTACTCCATCACGTTCTTACGCTTCTGAAACA
 GCCCACTCCAGTTCTGCATTGTGAAACCCGTTATGGCGCTGATCACCATCATCTCCAGGCTTTTGAC
 AAATACCAGGATGGGACTTCAACATCCACAGCGCTACCTGTACGTGACCCTCGTGTACAATGCCTCGG
 TCAGCCTGGCTCTACGCTCTGTTCCCTTTCTACTTCGCTACCAGGGACCTCCTGAGACCTTCGAGCC
 GGTACTCAAGTTCCTCACCATCAAAGCCATCATCTTCTCCTTCTGGCAGGGAATGCTGTTGGCCATC
 TTGGAGAGGTGTGGGTCATCCCTGAGGTCCAGGCCGTGGACGGCACCAGGGTGGGGCTGGTACCCTAG
 CCGCTGGTACCAGAATTCCTCATCTGTGTTGAGATGCTGTTCCGCTCCCTCGCGCTGCGTTACGCCTT
 CCCCAGCCAGGTGATTCAGAGAAGAAGAACTCACCAGTCCCGCCAGCACCTATGCAAAGCATATCCAGT
 GGCTTAAAGGAGACCATCAGCCACAGGACATTGTCCAGGACGCCATTCAACTTCTCGCCAGCCTACC
 AGCAGTACACAGCAGTCCACACATGAAGCTCCTGGCCTGGCCAGGGTGGGCACCCAGCACCCAGTAC
 CCACCCGGCCAGCCAGTGGCTCTGGAGGTGGTAAAGAAGAGTCCCAACATAGAGAAACCGCATGCTGATT
 CCTCAGAGGACCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206774 protein sequence
 Red=Cloning site Green=Tags(s)

MRNASGFLKTAGAPLVSATWLPPSPPPAMPTVAAGPQMERVDNGSQGAPQLFLTSALARGVSGVFWTAL
 LLTGHQIYSHLRSYTAPREQRFVIRLLFIVPIYAFDSWLSLLLLGGHPYVVYFDSVRDCYEA FVIYSFLT
 LCFQYLGGESAIMAEIRGKPIRSSCFYGTCCLRGMSYSITFLRFCKQATLQFCIVKPMALITIIILQAFD
 KYHDGDFNIHSGLYVTLVYNASVSLALYALFPFYFATRDLRPFEPVLKFLTIKAIIFLSFWQGMLLAI
 LERCGVIPEVQAVDGRVAGTLAAGYQNFLICVEMLFASLALRYAFPSQVYSEKKNSPVPPAMPQSISS
 GLKETISPDIVQDAIHNFSPAYQYTTQSTHEAPGPGQGHPAPSTHPGPASGSGGKKSRIEKRMLI
 PSEDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001161548

ORF Size: 1278 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_001161548.1](#), [NP_001155020.1](#)
RefSeq Size: 2039 bp

RefSeq ORF: 1350 bp

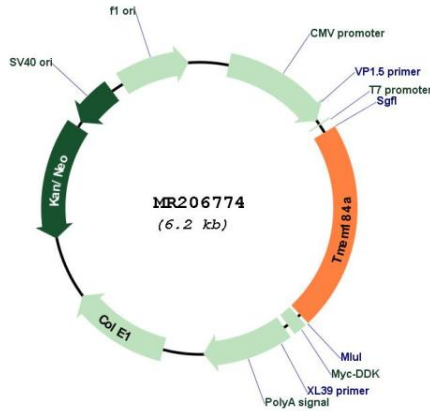
Locus ID: 231832

UniProt ID: [Q3UFJ6](#)
Cytogenetics: 5 G2

MW: 46.8 kDa

Gene Summary: Acts as a heparin receptor in vascular cells (By similarity). May be involved in vesicle transport in exocrine cells and Sertoli cells (PubMed:18321981, PubMed:19097053).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206774