

Product datasheet for MR229747

Tmem184b (NM_001253817) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem184b (NM_001253817) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem184b
Synonyms:	2610507A11; 4732495E13Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229747 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAGTGAGGGGGCCGCGCTGGCCCCAGCCAGCGTCACCCACAACCACAACAGCTTCACCTAGCG
TCTCTGCCACCCCGAGGGCAGCCCCACAGCCATGGAGCACCCCTGTGTTCCCTGATGACCACTGCCGCCA
GGCCATCTCCGGTCTTTGTGTGGACAGCTCTGCTCATCACTTGCCACCAGATCTACATGCATCTGCGC
TGCTACAGCCGTCCTCAATGAGCAGCGCCACATCGTGCATCCTTTCATCGTCCCATCTACGCCCTTCG
ACTCCTGGCTCAGCCTCCTTCTTCCCAATGACCAGTACTACGTGTACTTCGGCACCGTCCGAGACTG
CTATGAGGCCCTTTGTCATCTATAACTTCCCTGAGCTTGTGCTATGAGTACCTCGGGGGAGAGAGTGCCATC
ATGTCTGAGATCAGAGGGAAGGCCATTGAGTCCAGCTGTATGTACGGCACGTGCTGCCTCTGGGGAAGA
CCTACTCCATCGGATTCCTGCGGTTCTGTAACAGGCCACCCTGCAGTTCGTGTGGTGAAGCCACTCAT
GGCCGTACGACCCGTTATACTCCAGGCCCTTTGGCAAGTACCGGGACGGAGACTTTGATGTACCAGTGGG
TACCTCTACGTGACCATCATCTACAACATCTCCGTGAGCCTGGCCCTATATGCGCTCTTCTTCTACT
TTGCCACAAGGGAGCTGCTCAGCCCCTACAGCCCTGTCTCAAGTCTTTCATGGTCAAGTCCGTCATATT
CCTCTCCTTCTGGCAAGGCATGCTGCTGGCCATCTTAGAGAAGTGCGGGGCCATCCCAAGATCAACTCA
GCGCGAGTGTGAGTGGGTGAGGGCACCGTGGCTGCCGGCTACCAGGACTTCATCATCTGTGTGGAGATGT
TCTTCGCGGCTTGGCCCTGCGGCATGCCTTACCTACAAGTCTACGCTGACAAGAGACTGGACGCTCA
AGGCCGCTGCGCCCCATGAAGAGCATCTCCAGCAGCCTCAAAGAGACCATGAACCCACACGATATTGTG
CAGGACGCCATCCACAATTCTCGCCAGCCTACCAGCAGTACACGCAGCAGTCCACTCTGGAGCCCGGGC
CCACCTGGCGTGGCGGCACGCACAGCCTTCCCCTCCACAGCCTTAGTGGTGCACGCGACAATGAGAA
GACTCTGCTGCTCAGCTCTGATGATGATTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR229747 protein sequence
Red=Cloning site Green=Tags(s)

MTVRGAALAPDPASPTTTTASPSVSATPEGSPTAMEHPVFLMTTAAQAISGFFVWTALLITCHQIYMHLR
 CYSRPNEQRHIVRILFIVPIYAFDSWLSLLFFTNDQYVVYFGTVRDCYEAFFVIYNFLSLCYEYLGGESAI
 MSEIRGKAIESSCMYGTCCCLWGKTYSIGFLRFCKQATLQFCVVKPLMAVSTVILQAFGKYRDGDFDVTSG
 YLYVTTIYINISVSLALYALFLFYFATRELLSPYSPVLKFFMVKSVIFLSFWQGMLLAILEKCGAIPKINS
 ARVSVGEGTVAAGYQDFIICVEMFFAALALRHAFYKVVYADKRLDAQGRCAPMKSISSSLKETMNPHDIV
 QDAIHNFSPAYQQYTQQSTLEPGPTWRGGTHLSRSLSL SGARDNEKTL LLLSSDDEF

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_001253817

ORF Size: 1224 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_001253817.1](#), [NP_001240746.1](#)

RefSeq Size: 3378 bp

RefSeq ORF: 1224 bp

Locus ID: 223693

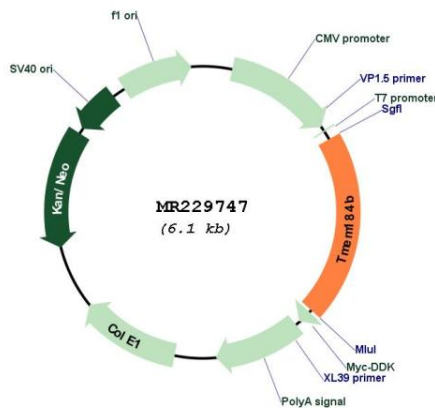
UniProt ID: [Q8BG09](#)

Cytogenetics: 15 E1

MW: 45.6 kDa

Gene Summary: May activate the MAP kinase signaling pathway.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR229747