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Product datasheet for MR206396

Tmem184b (NM_172608) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem184b (NM_172608) 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:

>MR206396 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACAGTGAGGGGGGCCGCGCTGGCCCCAGACCCAGCGTCACCCACAACCACAACAGCTTCACCTAGCG
TCTCTGCCACCCCCGAGGGCAGCCCCACAGCCATGGAGCACCCTGTGTTCCTGATGACCACTGCCGCCCA
GGCCATCTCCGGCTTCTTTGTGTGGACAGCTCTGCTCATCACTTGCCACCAGATCTACATGCATCTGCGC
TGCTACAGCCGTCCCAATGAGCAGCGCCACATCGTGCGCATCCTCTTCATCGTGCCCATCTACGCCTTCG
ACTCCTGGCTCAGCCTCCTCTTCTTCACCAATGACCAGTACTACGTGTACTTCGGCACCGTCCGAGACTG
CTATGAGGCCTTTGTCATCTATAACTTCCTGAGCTTGTGCTATGAGTACCTCGGGGGAGAGAGTGCCATC
ATGTCTGAGATCAGAGGGAAGGCCATTGAGTCCAGCTGTATGTACGGCACGTGCTGCCTCTGGGGAAAGA
CCTACTCCATCGGATTCCTGCGGTTCTGTAAACAGGCCACCCTGCAGTTCTGTGTGGTGAAGCCACTCAT
GGCCGTCAGCACCGTTATACTCCAGGCCTTTGGCAAGTACCGGGACGGAGACTTTGATGTCACCAGTGGG
TACCTCTACGTGACCATCATCTACAACATCTCCGTCAGCCTGGCCCTATATGCGCTCTTCCTCTTCTACT
TTGCCACAAGGGAGCTGCTCAGCCCCTACAGCCCTGTCCTCAAGTTCTTCATGGTCAAGTCCGTCATATT
CCTCTCCTTCTGGCAAGGCATGCTGCTGGCCATCTTAGAGAAGTGCGGGGCCATCCCCAAGATCAACTCA
GCGCGAGTGTCAGTGGGTGAGGGCACCGTGGCTGCCGGCTACCAGGACTTCATCATCTGTGTGGAGATGT
TCTTCGCGGCCTTGGCCCTGCGGCATGCCTTCACCTACAAGGTCTACGCTGACAAGAGACTGGACGCTCA
AGGCCGCTGCGCCCCCATGAAGAGCATCTCCAGCAGCCTCAAAGAGACCATGAACCCACACGATATTGTG
CAGGACGCCATCCACAACTTCTCGCCAGCCTACCAGCAGTACACGCAGCAGTCCACTCTGGAGCCCGGGC
CCACCTGGCGTGGCGGCACGCACAGCCTTTCCCGCTCCCACAGCCTTAGTGGTGCACGCGACAATGAGAA
GACTCTGCTGCTCAGCTCTGATGATGAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>MR206396 protein sequence
Red=Cloning site Green=Tags(s)

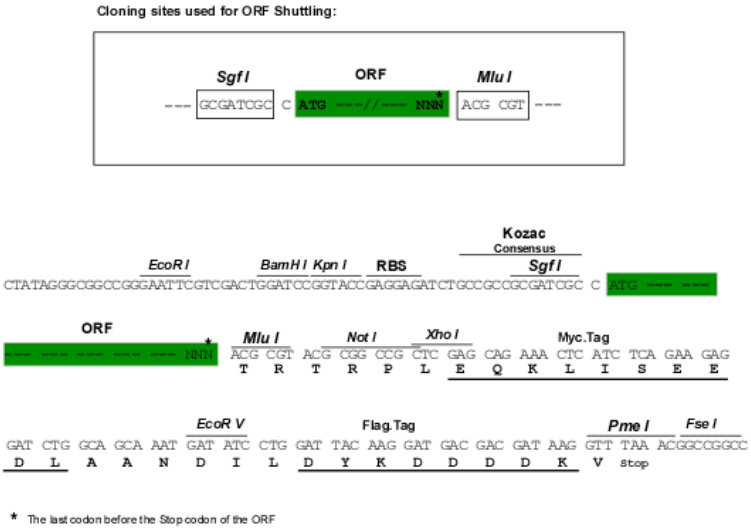
MTVRGAALAPDPASPTTTTASPSVSATPEGSPTAMEHPVFLMTTAAQAISGFFVWTALLITCHQIYMHLR
CYSRPNEQRHIVRILFIVPIYAFDSWLSLLFFTNDQYYVYFGTVRDCYEAFVIYNFLSLCYEYLGGESAI
MSEIRGKAIESSCMYGTCCLWGKTYSIGFLRFCKQATLQFCVVKPLMAVSTVILQAFGKYRDGDFDVTSG
YLYVTIIYNISVSLALYALFLFYFATRELLSPYSPVLKFFMVKSVIFLSFWQGMLLAILEKCGAIPKINS
ARVSVGEGTVAAGYQDFIICVEMFFAALALRHAFTYKVYADKRLDAQGRCAPMKSISSSLKETMNPHDIV
QDAIHNFSPAYQQYTQQSTLEPGPTWRGGTHSLSRSHSLSGARDNEKTLLLSSDDEF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_172608

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_172608.1, NP_766196.1

RefSeq Size: 3388 bp

RefSeq ORF: 1224 bp

Locus ID: 223693

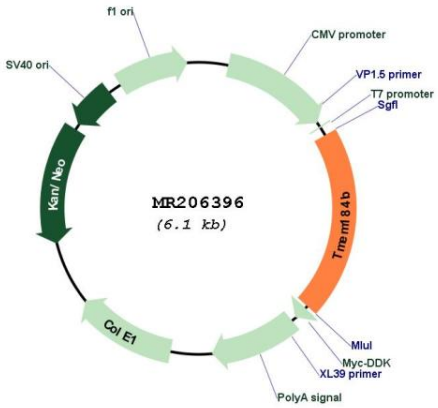
UniProt ID: Q8BG09

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 MR206396