

## Product datasheet for **MR208071**

### Tab1 (NM\_025609) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tab1 (NM_025609) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tab1
Synonyms:	2310012M03Rik; b2b449Clo; Map3k7ip1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR208071 representing NM\_025609  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGCGCAGAGGAGGAGCCTGCTCCAGAGTGAGCAGCAGCCAAGCTGGACAGATGACCTGCCACTCT  
 GTCACCTCTCTGGAGTTGGTTCAGCGTCCAACCGCAGCTACTCTGCTGATGGCAAGGGCACTGAGAGCCA  
 CCCTCCGGAGGACAACCTGGCTTAAGTTCAGAAAGTAAAAAATACTGCTTCCTGTACGGGTCTTCAATGGC  
 TATGATGGCAACCGCGTGACCAACTTTGTGGCGCAGAGGCTTTCTGCAGAGCTCCTGCTGGGCCAGCTCA  
 AACTGAGCAGACTGAGGCTGATGTGCGACGGTCTGCTGCAGGCTTTGATGTGGTGGAGAGGAGCTT  
 CCTGGAGTCTATCGATGATGCCTTAGCTGAGAAAGCAAGCCTCCAGTCCCAGCTGCCGGAGGGTGTGCC  
 CAGCACCAGCTGCCACCTCAGTACCAGAAGATCCTTGAGAGACTCAAGGCACTGGAGAGGGAGATTCGG  
 GAGGAGCCATGGCTGTCGTGGCAGTCTTCTCAACAGCAAGCTCTACGTTGCCAATGTCGGTACGAACAG  
 GGCCCTTCTGTGCAAATCTACAGTGGATGGTTACAGGTTACACAGCTAAACATGGACCACACCACCGAG  
 AACGAGGACGAGCTCTTCGGCTTCGCAACTGGGTTAGACGCAGGGAAGATCAAGCAGATGGCGGCTCA  
 TCTGTGGACAGGAGAGCACCAGGCGGATTGGGGATTACAAGTCAAATATGGCTACACCGACATTGACCT  
 GCTCAGCGCTGCCAAGTCAAACCCATCATCGCAGAGCCGAAATTCATGGCGCACAGCCTCTGGATGGC  
 GTGACGGGCTTCTGGTCTGATGTGAGAGGGGCTGTACAAGGCCCTGGAGGCAGCCATGGGCCTGGGC  
 AGGCCAACAGGAGATTGCCCGGATGATTGACACCGAGTTGCCAAGCAGACCTCCCTGGATGCGGTTGC  
 CCAGGCTGTGGTAGACCGTGAAGCGGATCCACAGTACACCTTTGCCAGTGGTGGGAGCGTGCCAAG  
 TTCTGCCACGGCATGAAGACATGACCTGCTGGTGGGAACTTTGGCTATCCATTGGGTGAAATGAGCC  
 AGCTACACCGACCCCTGCCAGGGGGCGGTGTACCCTGTTCTGTGCCCTACTCAAGTGCCAGAG  
 CACCAGCAAGACTAGTGTGACTCTGTCCCTCGTCATGCCTTCTCAGGGCCAGATGGTCAACGGCTCTCAC  
 AGTGCCTCCACTCTGGACGAAGCCACTCCACACTCACTAACCAGAGCCCACTCTGACCTGCAGTCCA  
 CCAACACGCACACCCAGAGCAGCAGCTCCAGCTCTGACGGGGCCTCTCCGCTCCAGACCGGCTCACTC  
 ACTTCCACCCGGAGAGGATGGCCGTGTGGAGCCCTATGTGGACTTTGCTGAGTTCTACCGACTCTGGAGC  
 GTGGACCACGGCGAGCAGAGCGTGATGACGGCACCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208071 representing NM\_025609  
 Red=Cloning site Green=Tags(s)

MAAQRRLQSEQQPSWTDLPLCHLSGVGSASNRSYSADGKGTESHPPEDNWLKFRSENNCFLYGVFNG  
 YDGNRVTNFVAQRLSAELLLGQLNTEHTEADVRRVLLQAFDVVERSFLIESIDDALAEKASLQSQLPEGVP  
 QHQLPPQYQKILERLKEREISGGAMAVVAVLLNSKLYVANVTNRALLCKSTVDGLQVTQLNMDHTTE  
 NEDELFRLSQLGLDAGKIKQMGVICGQESTRRIGDYKVKYGYTDIDLLSAKSKPIIAEPEIHGAQPLDG  
 VTGFLVLMSEGLYKALEAAHGPQANQEIAAMIDTEFAKQTSLDAVAQAVVDRVKRIHSDTFASGGERAK  
 FCPRHEDMTLLVRNFGYPLGEMSQPTPTPAPGGRVYVPSVPYSSAQSTSKTSVTLVMPVSGQMVNGSH  
 SASTLDEATPTLTNQSPTLTQSTNHTQSSSSSDGGLFRSRPAHSLPPGEDGRVEPYVDFAEFYRLWS  
 VDHGEQSVMTAP

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9035\\_h01.zip](https://cdn.origene.com/chromatograms/mm9035_h01.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_025609

**ORF Size:** 1506 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\\_025609.3](#)

**RefSeq Size:** 3013 bp

**RefSeq ORF:** 1509 bp

**Locus ID:** 66513

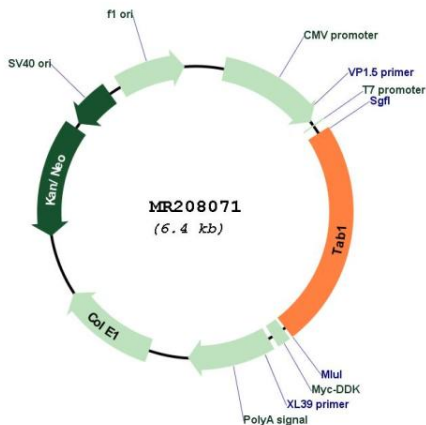
**UniProt ID:** [Q8CF89](#)

**Cytogenetics:** 15 E1

MW: 55.1 kDa

Gene Summary: May be an important signaling intermediate between TGFB receptors and MAP3K7/TAK1. May play an important role in mammalian embryogenesis.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR208071