

## Product datasheet for **MG208071**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tab1 (NM_025609) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tab1
Synonyms:	2310012M03Rik; b2b449Clo; Map3k7ip1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG208071 representing NM\_025609  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGGCGCAGAGGAGGAGCCTGCTCCAGAGTGAGCAGCAGCCAAGCTGGACAGATGACCTGCCACTCT  
 GTCACCTCTCTGGAGTTGGTTCAGCGTCCAACCGCAGCTACTCTGCTGATGGCAAGGGCACTGAGAGCCA  
 CCCTCCGGAGGACAACCTGGCTTAAGTTCAGAAAGTAAAAAATACTGCTTCCTGTACGGGTCTTCAATGGC  
 TATGATGGCAACCGCGTGACCACTTTGTGGCGCAGAGGCTTTCTGCAGAGCTCCTGCTGGGCCAGCTCA  
 AACTGAGCAGACTGAGGCTGATGTGCGACGGTCTGCTGCAGGCTTTGATGTGGTGGAGAGGAGCTT  
 CCTGGAGTCTATCGATGATGCCTTAGCTGAGAAAGCAAGCCTCCAGTCCCAGCTGCCGGAGGGTGTGCC  
 CAGCACCAGCTGCCACCTCAGTACCAGAAGATCCTTGAGAGACTCAAGGCACTGGAGAGGGAGATTCGG  
 GAGGAGCCATGGCTGTCGTGGCAGTCTTCTCAACAGCAAGCTCTACGTTGCCAATGTCGGTACGAACAG  
 GGCCCTTCTGTGCAAATCTACAGTGGATGGTTACAGTTACACAGCTAAACATGGACCACACCACCGAG  
 AACGAGGACGAGCTCTTCGGCTTCGCAACTGGGTTAGACGCAGGGAAGATCAAGCAGATGGCGGCTCA  
 TCTGTGGACAGGAGACACCAGGCGATTGGGGATTACAAGTCAAATATGGCTACACCGACATTGACCT  
 GCTCAGCGCTGCCAAGTCAAACCCATCATCGCAGAGCCGAAATTCATGGCGCACAGCCTCTGGATGGC  
 GTGACGGGCTTCTGGTCTGATGTGAGAGGGGCTGTACAAGGCCCTGGAGGCAGCCATGGGCCTGGGC  
 AGGCCAACAGGAGATTGCCCGATGATTGACACCGAGTTGCCAAGCAGACCTCCCTGGATGCGGTTGC  
 CCAGGCTGTGGTAGACCGTGAAGCGGATCCACAGTACACCTTTGCCAGTGGTGGGAGCGTGCCAAG  
 TTCTGCCACGGCATGAAGACATGACCTGTGTTGAGGAACTTTGGCTATCCATTGGGTGAAATGAGCC  
 AGCCTACACCGACCCCTGCCCGGGGGCGGTGTACCCTGTTCTGTGCCCTACTCAAGTGCCAGAG  
 CACCAGCAAGACTAGTGTGACTCTGCTCCCTCGTCATGCCTTCTCAGGGCCAGATGGTCAACGGCTCTCAC  
 AGTGCCTCCACTCTGGACGAAGCCACTCCACACTCACTAACCAGAGCCCCACTCTGACCTGCAGTCCA  
 CCAACACGCACACCCAGAGCAGCAGCTCCAGCTCTGACGGGGCCTCTCCGCTCCAGACCGGCTCACTC  
 ACTTCCACCCGGAGAGGATGGCCGTGTGGAGCCCTATGTGGACTTTGCTGAGTTCTACCGACTCTGGAGC  
 GTGGACCACGGCGAGCAGAGCGTATGACGGCACCT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG208071 representing NM\_025609  
 Red=Cloning site Green=Tags(s)

MAAQRRLQSEQQPSWTDLPLCHLSGVGSASNRSYSADGKGTESHPEDNWLKFRSENNCFLYGVFNG  
 YDGNRVTNFAQRLSAELLLGQLNTEHTEADVRRVLLQAFDVVERSFLIESIDDALAEKASLQSQLPEGVP  
 QHQLPPQYQKILERLKEREISGAMAVVAVLLNSKL YVANVGTNRALLCKSTVDGLQVTQLNMDHTE  
 NEDELFRSLGLDAGKIKQMGVICGQESTRRIGDYKVKYGYTDIDLLSAAKSKPIIAEPEIHGAQPLDG  
 VTGFLVLMSEGLYKALEAAHGPGQANQEIAAMIDTEFAKQTSLDAVAQAVVDRVKRIHSDTFASGGERAK  
 FCPRHEDMTLLVRNFGYPLGEMSQPTPTPAPGGRVYPVSVPYSSAQSTSKTSVTLVMPVSGQMVNGSH  
 SASTLDEATPTLTNQSPTLTQSTNTHQSSSSSSDGGLFRSRPAHSLPPGEDGRVEPYVDFAEFYRLWS  
 VDHGEQSVMTAP

**TRTRPLE** - GFP Tag - V

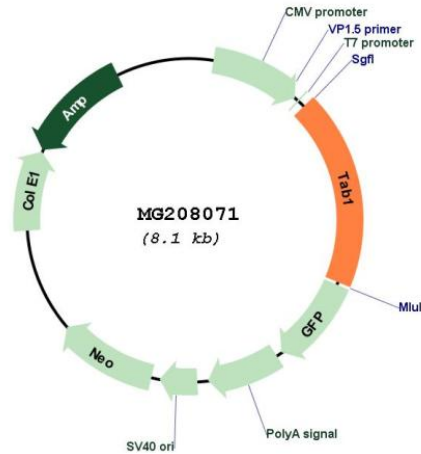
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



**Plasmid Map:**


**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

**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]