

## Product datasheet for **MC220485**

### Tab2 (NM\_138667) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tab2 (NM_138667) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tab2
Synonyms:	1110030N06Rik; A530078N03Rik; Map3k7ip2; mKIAA0733
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220485 representing NM\_138667  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCCAAGGAAGCCACCAATTGATTTTCAGGTTTTACATGACCTGCGACAAAAATCCAGAAGTGC  
 CTGAAGTTGTTGTATCCAGGTGCATGTTACAGAACAATAAACCTGGATGCCTGCTGCGCTGTTCTCTC  
 TCAGGAGAGTACAAGGTATCTTTATGGTGAAGGAGACCTGAATTTTTAGATGAGTCTGGAAATTTCTGGT  
 CTACGCAATCACATGACTTCTCTCAACTTGGACTTGCAGTACAGAAATGTTTACCACCATGGAAGAGAAG  
 GAAGTCGAGTGAATGGAAGCAGGACTTTAACACACAGCGTTAGTGATGGACAGCTTACGGTGGGCAGTC  
 CAATAACGAACTGTTTCAGCAAGAGCCACAGACAGCACCAGCTCAAGTTCCTCAAGGCTTTAATGTTTTT  
 GGAATGCCAGTACATCTGGTCTTCAACTCAACACCGCATCTGGATTTACCTAGGCAGCAAAGGGA  
 CATCAAACCTTTCTCAACAGACTCCAGGTTCAATCTATTATGGTAACTTTAGCCCCAAACATACAGAC  
 TGGCCGTAGTACTCTACATCTTGCACATACATGGTGTACCTCCGCCTGTACTGAACAGTCCACAGGGA  
 AATTCTATCTATATTAGGCCTTATATTACAACCTAGTGGTACAGCTCGGCAGACACAACAACATTCTG  
 GCTGGGTGTCTCAGTTTAAATCCCATGAACCCCTAGCAAGCCTATCAACCTTACAGCCTGGACCTTGGAC  
 TACTTATCCTGCATCCAATCCTTTGCCACATACCTCAACCCAGCAGCCGAATCAGCAGGGCCATCAGACC  
 TCTCATGTCTACATGCCTATCAGTTCGCCAACTACTCCACAACCGCCAACCATTCACTCATCTGGGAGCT  
 CTCAGTCTTCTGCCCATAGCCAATAAACATTCAGAATATTTCAACAGGACCTCGAAAGAACCAGATAGA  
 AATCAAACCTTGAACCCCAAAAGAAACAGTCTTCAAATACGTTCTTCTGGACCTCGAACTGCCAGC  
 ACTTCTCATTGGTCAACAGCCAGACCTTAAATAGAAATCAGCCCACTGTTTACATAGCTGCCAGTCCCTC  
 CAAATACGTAGATGATCTCCCGTAGTCAACCCAAGTCTATATTTTCAGCCAATGCCACCGCAGGAGA  
 TGAGCAAGGCATGCGGAATCAACCGACACTCTTCATATCTACAACCTCTGGGCCATCTGCAGCCTCCAGG  
 AACATGTCTGGCAAGTGAAGTGGTCTGCCTTTATCCATCACCATCCACCCAAAAGCCGAGTGTAG  
 GTGGAACCTGCAACGTCTCCTCGAGTGGTGGTCACTCAACCCAAACAAAAATACTTTCAAATTAC  
 AGTTTCCCAATAAGCCCCCTGCTGTTTCCCGGGGGTGGTCTCCCAACCTTTGAACTTACAAATCTT  
 CTAATCATCCTGACCATTATGTAGAAACAGAGAACATTCAGCATCTCACAGACCCGGCTCTAGCACATG  
 TGGATAGAATAAGCGAAGCCCGAACTGAGTATGGGATCTGATGATGCTGCCTACACACAAGCTCTGCT  
 GGTGCACCAGAAGCCAGGATGGAACGGCTTCAAAGAGAGCTCGAGATGCAAAAGAAAAAGCTGGATAAA  
 CTCAAATCTGAGGTCAATGAGATGGAAAATAATCTAACTCGAAGGCGCCTGAAGAGATCAAATCCATTT  
 CCCAGATACCGTCACTCGAAGAAATGCAGCAGTTGAGAAGTTGTAATAGCAAACTCCAGATTGACATTGA  
 CTGCTTAAACAAAGAAATTTGATCTTTTTCAAGCCGAGGACCACATTTTAAACCCAGCGCTATTCATAAC  
 TTTTATGACAATATTGGATTTGTAGGCCCTGTGCCACCAAAACCCAAAGTCAAAGGTCCACCATCAAAG  
 CACCAAGACCCAAGACGCAGAGGATGAGGAAGGTGCTCAGTGGAAATGCACTGCCTGTACGTTTCTGAA  
 TCACCCGGCCTTAAATCCGCTGTGAACAGTGTGAGATGCCTCGGCATTTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_138667
- Insert Size:** 2082 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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\\_138667.3](#), [NP\\_619608.1](#)

**RefSeq Size:** 4278 bp

**RefSeq ORF:** 2082 bp

**Locus ID:** 68652

**UniProt ID:** [Q99K90](#)

**Cytogenetics:** 10 A1

**Gene Summary:** Adapter linking MAP3K7/TAK1 and TRAF6. Promotes MAP3K7 activation in the IL1 signaling pathway. The binding of 'Lys-63'-linked polyubiquitin chains to TAB2 promotes autophosphorylation of MAP3K7 at 'Thr-187' (By similarity). Regulates the IL1-mediated translocation of NCOR1 out of the nucleus. Involved in heart development (By similarity). [UniProtKB/Swiss-Prot Function]