

## Product datasheet for **MC208084**

### Trib1 (NM\_144549) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Trib1 (NM\_144549) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Trib1  
**Synonyms:** A530090O15Rik; TRB-1; Trb1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC208084 representing NM\_144549  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCGGGTCGGTCCCGTGCCTTTGCCCTGAGCGGCGCCTCGCAGCCCCGCGGTCCGGTCTACTGTTTC  
CGGCTGCCGGGAACCCCGGCCAAACGCCTGTGGACACGGACGACCGGGGGCAGTGGCGCCAAGT  
TCCGCGCCTCTCTGAGTCTCGAGTCCCCCGACTACCTCAGTCCCCCTGGCTCGCCCTGCAGCCCTCAG  
CCTCCGCCCTCCACGCAGGGGACCGGCGGACAGTGTGTGAGCTCACCCGGGCCAGCCGAATCGCCGACT  
ACCTGCTGCTACCCCTAGCTGAGCGCGAGCATGTGCCCGGCACTGTGCATCCACACCGCCGCGAGCT  
GCGCTGCAAGGAATCCCCATTAACACTACCAGGACAAAATCAGGCCTTACATCCAGCTGCCGTCCCAT  
AGCAACATCACTGGCATTGTGGAGGTGCTCCTTGGTGAGAGCAAGGCCTACGTCTTCTCGAGAAGGACT  
TTGGAGACATGCACTCCTATGTGCGGAGCCGAAAACGGCTTCGGGAAGAGGAGGCCGCTCGGCTCTTCAA  
GCAGATTGTTTCCGCCGTCGCCACTGCCACCAGTCGGCCATCGTGTGGGGACCTGAAGCTCAGGAAG  
GTGAAGATGATGCGTGTGAGATAAACATGGCTGCCAGCCTACGTGAGCCCCGAGATCCTCAACTACT  
TGGGACCTACTCTGGAAAGCGCGGACGCTGTGAGCCTCGGGGTGATGCTCTATACGCTTTTGGTCGGA  
CGATACCCCTTTCATGACTCAGATCCGAGTGCCCTTTTTTCCAAAATCCGCCGTGGACAGTTCTGCATTC  
CTGAGCACGTCTCCCCAAAGCCAGGTGCCTCATCCGAAGCCTCCTAAGACGAGAACCTTCTGAGAGACT  
CACAGCTCCTCAGATCTTACTCCATCCCTGGTTCGAGTATGTCTTGAACCGGGCTATGTTGACTCAGAA  
ATAGGAACCTCAGACCAGATTGTTCTGAGTACCAGGAGGACAGTGACATAAGTTCCTTCTCTGCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_144549



<b>Insert Size:</b>	1119 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_144549.4</a></u> , <u><a href="#">NP_653132.1</a></u>
<b>RefSeq Size:</b>	4026 bp
<b>RefSeq ORF:</b>	1119 bp
<b>Locus ID:</b>	211770
<b>UniProt ID:</b>	<u><a href="#">Q8K4K4</a></u>
<b>Cytogenetics:</b>	15 D1
<b>Gene Summary:</b>	Adapter protein involved in protein degradation by interacting with COP1 ubiquitin ligase (PubMed:23515163, PubMed:20410507). Promotes CEBPA degradation and inhibits its function (PubMed:20410507). Controls macrophage, eosinophil and neutrophil differentiation via the COP1-binding domain (PubMed:24003916, PubMed:23515163). Regulates myeloid cell differentiation by altering the expression of CEBPA in a COP1-dependent manner (PubMed:23515163). Interacts with MAPK kinases and regulates activation of MAP kinases, but has no kinase activity (By similarity).[UniProtKB/Swiss-Prot Function]