

## Product datasheet for **MG205150**

### Trib2 (NM\_144551) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Trib2 (NM_144551) Mouse Tagged ORF Clone                                    |
| Tag:                      | TurboGFP  |
| Symbol:                   | Trib2   |
| Synonyms:                 | AW319517; TRB-2; TRB2   |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-AC-GFP (PS100010)   |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| ORF Nucleotide Sequence:  | >MG205150 representing NM_144551<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAACATACACAGGTCTACCCCTATCACAATAGCGAGATATGGGAGATCGCGGAACAAAACCCAGGATT  
TCGAAGAGCTGTCGTCTATAAGGTCCGCTGAGCCAGCCAGAGTTTCAGCCCGAACCTTGGCTCTCCGAG  
CCCGCCGAGACTCCGAACCTGTCGCATTGCGTTTCTTGCATCGGAAATACTTACTGTTGGAGCCTCTG  
GAGGGAGACCACGTTTTCCGCGCTGTGCATCTGCACAGCGGAGAGGAGCTGGTTTGAAGGTGTTTGAGA  
TCAGCTGTACCAGGAGTCCCTGGCCCCCTGCTTCTGCCTGTCTGCCCATAGCAACATCAACCAAATCAC  
GGAATCCTCCTGGGAGAGACCAAAGCCTATGTGTTCTTTGAGCGAAGCTATGGAGACATGCATTCCTTT  
GTCCGCACTTGTAAGAAGCTGAGGGAGGAGGAGGCCAGCCGACTGTTCTACCAGATTGCCTCAGCTGTGG  
CCCATTGCCACGATGGAGGCCTGGTGTGCGTGACCTCAAGCTGCGGAAATTTATCTTCAAGGATGAAGA  
GAGGACTCGTGTCAAGCTGGAGAGTTTGAAGACGCTTACATTCTCCGGGTGATGATGACTCACTCTCT  
GACAAGCATGGCTGCCAGCGTATGTCAGCCAGAGATCTTGAACACCAGCGCAGTTATTCGGCAAGG  
CAGCGGACGTGTGGAGCCTGGGGTAATGCTGTACACCATGTTGGTGGGGCGTTACCTTTCCATGACAT  
TGAGCCTAGTTCTCTTTTCAGTAAGATCCGCAGGGGCCAGTTCAACATTCAGAAACTCTGTCTCCCAAG  
GCCAAGTGCCCTCATCCGAAGCATCCTGCGACGGGAGCCGTCAGAGCGGCTGACCTCGCAGGAAATCTGG  
ACCATCCTTGGTTTTCTACAGATTTTGTGTCTCAAATTCGGGATTTGGTGCTAAAGAGGCGTGTGACCA  
GCTGGTGCCAGACGTCAACATGGAGGAGAACTTGACCCTTTCTTTAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205150 representing NM\_144551  
 Red=Cloning site Green=Tags(s)

MNIHRSTPITIARYGRSRNKTQDFEELSSIRSAEPSQSFSPNLGSPSPPETPNLSHCVSCIGKYLLLEPL  
 EGDHVFRAVHLHSGEELVCKVFEISCYQESLAPCFCLSAHSNINQITEILLGETKAYVFFERSYGMHSF  
 VRTCKKLREEEAARLFYQIASAVAHCHDGLVLRDLKLRKFIKDEERTRVKLESLEDAYILRGDDDSL  
 DKHGCPAYVSP EILNTSGSYSGKAADVWSLGVMLYTM LVGRYPFHDI EPSSLFSKIRRGQFNIPETLSPK  
 AKCLIRSILRREPSERLTSQEILDHPWFSTDFSVNSGFGAKEACDQLVPDVNMEENLDPFFN

TRTRPLE - GFP Tag - V

Restriction Sites:

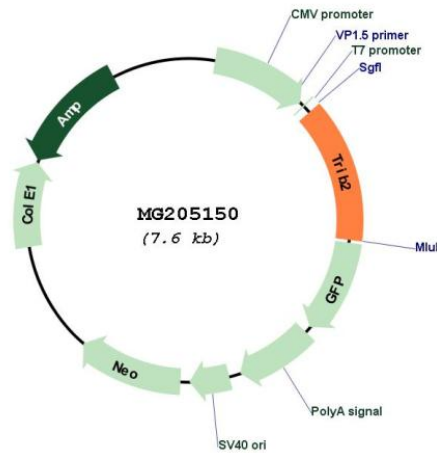
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM\_144551

ORF Size: 1029 bp

|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <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>                | <a href="#">NM_144551.5</a> , <a href="#">NP_653134.2</a>   |
| <b>RefSeq Size:</b>           | 4198 bp   |
| <b>RefSeq ORF:</b>            | 1032 bp   |
| <b>Locus ID:</b>              | 217410  |
| <b>UniProt ID:</b>            | <a href="#">Q8K4K3</a>  |
| <b>Cytogenetics:</b>          | 12 A1.1   |
| <b>Gene Summary:</b>          | Interacts with MAPK kinases and regulates activation of MAP kinases. Does not display kinase activity (By similarity).[UniProtKB/Swiss-Prot Function]   |