

Product datasheet for **MC222165**

Tgfbrap1 (NM_001013025) Mouse Untagged Clone

Product data:

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|---------------------------|----------------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Tgfbrap1 (NM_001013025) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Tgfbrap1 |
| Synonyms: | 3110018K12Rik; AU024090; AU042859; AW742551; Trap1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >MC222165 representing NM_001013025
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGAACATCAAGGCCTTACCTTGGTCTCTGCAGTGAACGGGAAGTCTGATGGGCGACAGAGACC
 ACATCAGCATTGAGTGTGGAGTGTGTGGCAGGAATCTTTATGTCGGACCAATGACTGCTTCATTTA
 CCATTTCTGCTGGAGGAGAAGGCCATGCCTACAGGGACAGCTACATTGCTTGCACCAACAGCTACAC
 AGACACCTGGGCTTCAAGAAACCTGTGAACGAGCTGTGTGCGGCCTCAGCTCTCAATAGGCTGTGGTGC
 TCTGTGACAACTATAACCCTGGTTAACATGCTGAACCTGGAGCCAGTCCCCTCAGGAGCCCGCATCAA
 AGGGGCTACAACATTTGCAGTGAACGAGAGCCCCGTGAATGGGGACCCGTTCTGCGTGGAGGTGTGCATC
 ATTTCCGTGAAGCGCAGGACTGTCAAATGTTTCTGGTGTATGAGGACCGAGTGCAGATTGTCAAGGAAG
 TGTCACCCCGAGAGCAGCTCTTGCTGTGGCTGTGGATGGCTATTTCTTGTGCCTGGCCTTGACCACACA
 ATACATCATCCTGAACACAGCACAGGCCCTTCCAGGACCTGTTCCCTACTGCAGTGAAGGAGAAGCCA
 CCCATCGTCAAGAGGATAGGCAGACAGGAGTTCCTGCTGGCTGGCCAGGAGGCTTGGGCATGTTTGCCA
 CCGTGGCCGGGATTTCCAGCGTGCCCTGTGCACTGGTCAAGAAATGTGATTGGGGCAGCTGTTTGCTT
 CCCCTATGTCATAGCGCTCGATGACGAATTCATCACAGTTCACAGCATGTTGGATCAGCAGCAGAAACAG
 ACCCTGCCCTTAAAGGAGGGGCACATCCTGCAGGACTTTGAAGGAAGAGTGATTGTTGCCACAAGTAAAG
 GAGTTTACATCTTGGTCCATTACCTCTGGAAAAACAAATACAGGATCTGTTAGCAAACCGGAGAGTGGA
 GGAGGCTTTGGTCTTGGCAAAAGGAGCCCGGAGGAACATTCAAAGGAGAAATTTAGGTAATGTACAGG
 AGGATTTGCAGCAGGACAGCTTTATACAGTTTGCACAACCTCAGTTCCTGGAAGCCAAAGAGCTTTCA
 GAAGCAGCCAGCTGGATGTCCGGGAGCTGATCTCTCTACCCCTTTCTGCTGCCACCTCTCTCCTCT
 CACCCGCTCTCACCTCCTCTTTCATGAGTACGCAGACCTGAACCAAGGTGACCCAAGGTGACCAGGAGAAG
 ATGGCCAAGTGCAAGCGCTTCTCATGAGTACCTGAATGAAATCCGCAGCACAGAGGTAGCTAATGGCT
 ACAAGGAAGACATCGACACGGCCTTGTCAAGCTGTATGCAGAGGCTGACCACGACAGCCTCCTGGACCT
 CTTGGTCACTGAGAATTTCTGCTTGTGACAGACAGTGTGCCTGGCTGGAGAAGCACAAAAAGTACTTT
 GCACTGGGGTGTCTATCATTACAACAAACAAGATGCCTCTGCGGTTGAGTTGTGGGTGAACATTGTGA
 ATGGGGACATCCAGGACTCTACACGCTCGGACCTGTATGAATACATCGTTGATTTCTTACCTACTGCCT
 AGACCAAGAGCTGGTGTGGACCCATGCTGACTGGCTGCTGCAGAAAAGTGAGGAGATTGGAGTTCAAATT
 TTCACCAAGAGACCTTTGGACGAGCAGCAGCAGACTAGTTTTAATCCAGACAACATTATTAGTTCCTTA
 AGAAATACCTAAAGCCCTGGTTAAGTATCTGGAACATCTCGTATCGACAGGAGATTGCAGAAAGAAGA
 GTACCACACCCACCTTGCCATCCTTACCTGGAGGAAGTGTGCGGCAGAGGGTATCCACTGGGGGCAAA
 GATGTAGAAGCCACTGAGACACAGGCCAACTCCGGAGACTACTCCAGAAGTCTGACTTGTACCCGCTCC
 ACTTGTGAAAGAGAAAGTCCAGGGTGCCTGGCCTGCCATGGAAGTGCATCCTCCACGGGAAGCTGGG
 CGAGCACGAGAAGGCCCTGCACATCCTGGTGCACGAGATGGGGGACTTCTCTGCAGCTGAGGACTACTGC
 CTGTGGAGCTCCGAGGGTCAGGGTGCAGCCTGCCGTGACGCTCTTCCACACGTTGCTCGCCATGTACC
 TCCGTGCAGGCCCTCTGCCAGGATCTGACAGTGGCCGCTGTGGACTTGTGAACCATCATGCCAGGGA
 ATTTGATGTACCCAGGTCTACAGCTGCTGCCAGACACCTGGTCCGTGCAGCTTCTCTGCCCATCTCTC
 ATGGGGGCTATGAGGGACAGTATCCATGCCAGGAGGACCACACAGGTGGCCCTTGGCCTGGCCAAATCAG
 AAAACCTGATTTACATGTATGATAAGATGAAGCTGAAGGCAATGCAGTCCGGCTCTCAGAACGAGAGCT
 TTGCCAGCTCTGCCAGAACCCTTTCGGTGAACCTGTGTTTGTGAGATACCCAAATGGAGGGCTTGTGCAC
 ACCCACTGTGCCGCCAGCAGACACAGGCCCCAGCTCGCCAGCCCTGGCACTCGGACT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001013025
Insert Size: 2583 bp

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| 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: | <ol style="list-style-type: none">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_001013025.2 , NP_001013043.1 |
| RefSeq Size: | 5565 bp |
| RefSeq ORF: | 2583 bp |
| Locus ID: | 73122 |
| UniProt ID: | Q3UR70 |
| Cytogenetics: | 1 B |
| Gene Summary: | Plays a role in the TGF-beta/activin signaling pathway. It associates with inactive heteromeric TGF-beta and activin receptor complexes, mainly through the type II receptor, and is released upon activation of signaling. May recruit SMAD4 to the vicinity of the receptor complex and facilitate its interaction with receptor-regulated Smads, such as SMAD2 (By similarity). [UniProtKB/Swiss-Prot Function] |