

Product datasheet for **MC200945**

Trib3 (BC012955) Mouse Untagged Clone

Product data:

| | |
|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Trib3 (BC012955) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Trib3 |
| Synonyms: | Trb3, Nipk, SINK, SKIP3, TRB-3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC012955
 CGGGGATCCGAGCCCGCTCCCGGTGCCGAGCACTTTAGCAGCGGAAGAGGCTGCTGCCGAGTACGTGA
 CCGCTGGGGTCTGGCACTAGCGTGCAGGAGACTCCGAGAGCTGCTCAGTTAGGCTGGCGGCGGTCCACGG
 GCGTGGGCGCAGGCGGCTCTGAGGCTCCAGGACAAGATGCGAGCTACACCTCTGGCTGCTTCTGCTGATG
 TTTCTGCAGGAAGAAACCGTTGGAGTTTATGACAATATTGATGCCAAGTGTCCAGTCTAAAACGAGT
 GAGAGATGAGCCTGAGCCCGACCCTCCCGAGCTGCCCCCAGCCACCTCCCGCCTCAGACTTG
 TCACCTGCTGTGGCCCCGCAACTCGACTGGGGCCTTATCCTTTTGGAACGAGAGCAAGGCAGTGCA
 GCTATCGAGCCCTGCACTGCCCCACAGGCACAGATACACCTGCAAGGTGTACCCTGCCAGCGAGGCCCA
 GCGGTGCTGGCACCTTATGCCCGGCTGCCTACCCACCAGCATGTGGCCCGTCCCACAGAGGTCCTGCTG
 GGCTCTCGGCTCCTTTACATCTTTTTCACGAAGACCCATGGGGACTTGCACAGCCTGGTGCAGCCGCC
 GCGGTATCCCAGAGCCCGAGGCTGCCGGGCTCTCCGGCAGATGGCTAGTCCCGTGGCACACTGCCACAA
 GCACGGGCTTGTCTTGCAGCCTCAAGCTGCGTCGCTTGTCTTTCAGCAACTGTGAGAGGACGAAGCTG
 GTGCTGGAGAACCTGGAAGATGCCTGCGTGTGACTGGATCAGATGACTCTGTGGGACAAGCATGCGT
 GCCCTGCCTACGTGGGACCAGAGATACTCAGCTCCCGCCATCCTACTCTGAGCCAGTCTGCTCTTTGG
 CAAGATCCGTAGAGGGACCTTTGCCCTGCCTGAGGGCCTATCAGCCCCAGCCCGTGTCTGATCCGCTGT
 CTCTCCGCAAGGAACCTTCAGAGCGACTGTGGCCCTGGGAATCCTCTTGCATCCCTGGTTGAGAGAGG
 ATCACGGCCGAGTCTCTCTCCACAGTCTGACCGAAGGGAGATGGACCAGGTGGTCCCAGATGGGCCACA
 GCTGGAGGAGGCTGAGGAAGGGGAGGTGGGGCTGTACGGCTAGGGCCACCTTACTGGCCCTCAGTCCA
 AGGTGTGAGTTGAGTACCTGAGTCTCAGCTTCTCCTGACTTTTTGGGCCAAGCTAAACCTTAAGTGCCT
 TTCTGGAGGAAGAAACAGCCGGCGTGCCTTATTCGTTCTGTGCCTAGTGGGGTGTGCTCCCTGAGTGC
 CACGCCCTGCTCTAGGTGCTGTGAACAGCAAAGGAAAAAGAGGGAGAAATACCTTGTGGCCAAGTTG
 CCACAGTGCCGCATGCTCTCCGGCCAGCCCTGCCTTGGGACGTTTCTACCAGGGGCTGTCTTCTG
 TGCTGGTTATGGGACAGTCCCTTTTATCAGTGCCCCAGCTGCCTTGTGCGTGTGCTTTAAACAAAGG
 AAACATCTCTGTGCCAAAGACCAAAGTCCCTCACTCACCATGTGCCTCAGGACCACAAATCAGGCCGGCT
 GGGATTGTGGCCTCCAGGAGGAGAACCTGTTTGAAGAAGACTTGCTGTGGATTCAAGCCAAAAGGAA
 GAGACTCCAATAAAGAGGCATTTGACTCAAGGAATAGTCTGGAATAAGGATCCGGGTCTGTTTACCCTGG
 TAGCCTCCGGCTGAAGCACCAAAGTTGGAGGGGGAGGACCAGGCAGGGTCTGTCTACTGCCTACAGACA
 ATCTCAGGCCCTGTTTTGGGGACTTTTGTAGTACCAGGCCACAGTCAGTTTGTGACTTTGGTCTGGTTA
 AGTGTGATTTTTCATCATGTGCCCAATAAAGAGAGCTGTGTGGTTTGTATGTGAAAAAAAAAAAAAAAAA AAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC012955

Insert Size: 987 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: [BC012955](#), [AAH12955](#)

RefSeq Size: 1969 bp

RefSeq ORF: 987 bp

Locus ID: 228775

Cytogenetics: 2 74.83 cM

Gene Summary: Disrupts insulin signaling by binding directly to Akt kinases and blocking their activation. May bind directly to and mask the 'Thr-308' phosphorylation site in AKT1. Binds to ATF4 and inhibits its transcriptional activation activity. Interacts with the NF-kappa-B transactivator p65 RELA and inhibits its phosphorylation and thus its transcriptional activation activity. Interacts with MAPK kinases and regulates activation of MAP kinases. May play a role in programmed neuronal cell death but does not appear to affect non-neuronal cells. Does not display kinase activity. Inhibits the transcriptional activity of DDIT3/CHOP and is involved in DDIT3/CHOP-dependent cell death during ER stress (By similarity). Can inhibit APOBEC3A editing of nuclear DNA.[UniProtKB/Swiss-Prot Function]