

Product datasheet for **MC225123**

Triobp (NM_001039156) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Triobp (NM_001039156) Mouse Untagged Clone
Tag: Tag Free
Symbol: Triobp
Synonyms: AI428493; EST478828; mKIAA1662; Tara
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225123 representing NM_001039156
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCCATGGAGCAAGACACCAGAGCACTGCTGCCACCCAGGGCACTGCCTGGGCTACAGCCTCTGCC
CAGTCGCCAGACTCCAGGGTCCCAGGGAGACTCCCACCGCCCTGCTCTCAGGAGCCTCACAGCCCTTC
CAGTGCTGAGGCACCCTACTGCGACCTGCCTCGCTGCCACCCGGCCCTGCAGAACCCTCCGCACCACC
ACCTGTGTGCGCCAGTCTGTGCACAGCCTTGGTCTCGGCCTTGGGCAGGAGCCTCAGAGGGTCTGGTCCC
CAACAACAGCTCTCCCTGCAGAGGGCCCTGCAGCTGCCCAAAGAACAGACACCAGGACTCCGAGGGGAT
ACCTATCTGGAGGGCTGGCCGTAGCAGCTGCACTGACGACAACGACAACAAGGACGAAGACGAGGAC
CCTAACTCCAACACCAGCTCCAGCCAAGACAGCAATACCCTCATGATACCAGCAATTCCTTTCTGTGG
ATTGGGACTACTGAGAGACCAGGGTGGTCCCAGCAGGAACAGACTCACAGAGATGATCCCAAGGAG
GCCTCAGGAGGGACTGAGAGCTGACAGTGTCTGAAAGGCCACCAGGTCCCAGCCGAGGAGACACAGCA
GGCCAGAGGAAGGAGAATTCTGGCAGTGGTGGACAGAGCGCTGGCCAGCACTGGGCAAAGCTGCGATCAG
AAAGCGGTACTTCTCTCTGGAGCGACAGCGCTCAGGGCAAACCCAGGCTTCTCCGGGACACCACCGAG
CGGACCTCGGGGACCACCCAGGCTTCTCTGCCCAAAGGGATGTTTTCCAGGCTCCTGCACAAGAA
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AGTGGGACAATCCCAGGGCTCCTCTCCAACAGAATACTCAGCGGGACAACCCTAGGACTCCCTGTAC
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CTGTGCCAACGGGACAATCCCAGGGCTCCTCTCCAACAGAATACTGCCAGCGAGACAACCCAGGACT
CCCTGTGCCAGCGGGACAACCCAGGACTCCTGCACATCACAGAATACCCCAAGGACCCCTTCTACCC



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AAGCAGATAAGACTACAGCTTCCTGCAGCAAATGGGAGCATCTGCGAAGCGCCTGCACCCAGCGAGACAA
 CCCCAGGACCTTCTCTCAAGGCTGCACCCAAAAGGACAATCCAGGACCACCCCTCGCCCCGCGTGCCACT
 CAGGGGAGTAATCCAGGAACCCCTCCCCCACCCTACCAACAAAGATATCCCTTGGGCTTCTTTCCCC
 TTCGGCCAACACAGAGTGACAGTCCCCGAACCTCATCTCCATCGCGCACCAAAACAAACCAGGTGCCTTG
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 AATGACCCTCCCCAGCAGTATTCGCCATCCCTGGCCACCCTCCTCCTCTCATAACCCTGGCCATT
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 GCAGAGTTCGTGTGCCCTGCAGCCTGAGGCCAGCACTGCTGTGGGCTGGAGGGCCGAGGGAACATCCC
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 GTCAATCTTGATGAGCCTGGAGAGTGGAAAAAGCATTGGTTTGTGCTGACGGATTCAAGCCTCAAATAT
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 TCACAGAGTATGCGGTCCAGCGCAACTATGGCTTCCAGATCCACACCAAGGACGCGGTTTATACCCTGTC
 GGCCATGACCTCGGGCATCCGGCGGAACGGATTGAGGCTCTCAGGAAAACGTGCGGCCAACTTCAGCC
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 CCCTGAAGATAGGGGAGCAGCGGACAGGCTCTGAGGTTATCGGCCGGGTGGTCTCGCAAGGCGGATGG
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CCAGCTGGAGGCTTGGCGTCTCCGAGGGGAAGCTCCTCAGAATGCACCGAGACTCCAGGAGGACAGCCAT
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 CCTGGCCGAGGAGACGGCTGCCACGGCTCAGCTATTGAAGCCATGAAGAAGGCGTATCAAGAAGAGCTA
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 ACATGGAGGCGCTAAAGCAGGAGCTGCAGGTGCTATCTGAGAGGTAAGTGCAGAAAGTGCCTGGAGATCGG
 GGCCCTGACAAGGCAGGAGAAGAGCGTGAGCACACCTGCGGGCGCTGCCAGCAAGAGGGCCAGGAGCTG
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 CGCAGGGCACAGGCAACAGCTGCGGGCGCAGCAATGAGAGGAGTTCTGTGAGCTGGAGGTGCTGTGCG
 AGTGAAGGAGAATGAACTCCAGTACCTGAAGAAGGAGGTGCAGTGTCTCCGAGATGAGCTCCAGGTGATA
 CAGAAGGACAAGCGCTTACGGGGAAGTACCAGGATGTGTACGTGGAGCTGAACCACATCAAGACTCGGT
 CGGAGCGTGAGATCGAGCAGCTGAAGGAGCACCTGCGCCTGGCCATGGCTGCCCTGCAGGAGAAGGAGGC
 TGTGAGGAACAGCTTGGCTGAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001039156
- Insert Size:** 6045 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_001039156.1](#), [NP_001034245.1](#)
- RefSeq Size:** 7352 bp
- RefSeq ORF:** 6045 bp
- Locus ID:** 110253
- UniProt ID:** [Q99KW3](#)
- Cytogenetics:** 15 37.7 cM

Gene Summary:

This gene encodes a protein that interacts with trio, which is involved with neural tissue development and controlling actin cytoskeleton organization, cell motility, and cell growth. The encoded protein also associates with F-actin and stabilizes F-actin structures. Domains contained in this encoded protein are an N-terminal pleckstrin homology domain and a C-terminal coiled-coil region. Mutations in the human gene have been associated with a form of autosomal recessive nonsyndromic deafness. Multiple alternatively spliced transcript variants have been described [provided by RefSeq, Sep 2012]

Transcript Variant: This variant (3) encodes the longest protein (isoform 3). Sequence Note: This RefSeq record was created from transcript sequence data from multiple strains because no single transcript from the same strain was available for the full length of the gene.