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Product datasheet for SC110217

TRIOBP (NM_138632) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIOBP (NM_138632) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIOBP
Synonyms:	DFNB28; dJ37E16.4; HRIHFB2122; TAP68; TARA
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_138632, the custom clone sequence may differ by one or more nucleotides

ATGGGCGGATGGAAGGGGCCGGGGCAGCGTCGGGGAAAGGAAGGGCCGGAGGCGCGGCGGCGGGCGGCCG
AGAGGGGCGGCGGCGGCGGCGGCGGCGGGGTTCCCGCGCCGCGGAGCCCGGCCCGAGAGCCGCGTCCACG
TTCCTGCCTCCTGCTCCCGCCGCCCTGGGGCGCCGCCATGACGCCCGATCTGCTCAACTTCAAGAAGGGA
TGGATGTCGATCTTGGACGAGCCTGGAGAGCCTCCCTCCCCCTCGCTCACCACCACCTCTACTTCGCAGT
GGAAGAAACATTGGTTTGTGCTGACAGATTCAAGTCTCAAATATTACAGAGACTCCACTGCTGAGGAGGC
AGATGAGCTGGATGGTGAGATCGACCTGCGTTCCTGCACGGATGTCACTGAGTACGCGGTGCAGCGCAAC
TATGGCTTCCAGATCCACACCAAGGATGCTGTCTATACCTTGTCGGCCATGACCTCAGGCATCCGGCGGA
ACTGGATCGAGGCTCTGAGAAAGACCGTACGTCCAACTTCAGCCCCAGATGTCACCAAGCTCTCGGACTC
TAACAAGGAGAACGCGCTGCACAGCTACAGCACCCAGAAGGGCCCCCTGAAGGCAGGGGAGCAGCGGGCG
GGCTCTGAGGTCATCAGCCGGGGTGGCCCTCGGAAGGCGGACGGGCAGCGTCAGGCCTTGGACTACGTGG
AGCTCTCGCCGCTGACCCAGGCTTCCCCGCAGCGGGCCCGCACCCCAGCCCGCACTCCTGACCGCCTGGC
CAAGCAGGAGGAGCTGGAGCGGGACCTGGCCCAGCGCTCCGAGGAGCGGCGCAAGTGGTTTGAGGCCACA
GACAGCAGGACCCCAGAGGTGCCTGCTGGTGAGGGGCCGCGCCGGGGCCTGGGTGCCCCCCTGACTGAGG
ACCAGCAAAACCGGCTTAGTGAGGAGATCGAGAAGAAGTGGCAGGAGCTGGAGAAGCTGCCCCTGCGGGA
GAATAAGCGGGTGCCCCTCACTGCCCTGCTCAACCAAAGCCGCGGAGAGCGCCGAGGGCCCCCAAGTGAC
GGCCACGAGGCACTGGAGAAGGAGGTTCAGGCTCTTCGGGCCCAGCTGGAGGCGTGGCGTCTCCAAGGGG
AGGCTCCTCAGAGTGCACTGAGATCCCAGGAGGATGGCCACATCCCCCCGGGCTACATCTCACAGCTGGT
GGGCGTGATCACTGTGCCCGTTTTACAGACAAGGCCACTGAGCTCTGAGAGGTTATGTGACTTGCCCAAG
GTCACCCCGCCTGCAGGTCTCAAAGGTGGGATTTGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_138632 unedited
NGGGGTCGCATTTGNAAACCACTTCTATAGGCGGCCGACGAATTCGCACCAGGGGAAAGG
AGGGCCGGAGGCGCGGCGGCGGGCGGCCGAGAGGGGCGGCGGCGGCGGCGGCGGGGT
TCCCGCGCCGCGGAGCCCGGCCCGAGAGCCGCGTCCACGTTCCTGCCTCCTGCTCCCGCC
GCCCTGGGGCGCCGCCATGACGCCCGATCTGCTTATCTTCAAGAAGGGATGGATGTCGAT
CTTGGACGAGCCTGGAGAGCCTCCCTCCCCCTCGCTCACCACCACCTCTACTTCGCAGTG
GAAGAAACATTGGTTTGTGCTGACAGATTCAAGTCTCAAATATTACAGAGACTCCACTGC
TGAGGAGGCAGATGAGCTGGATGGTGAGATCGACCTGCGTTCCTGCACGGATGTCACTGA
GTACGCGGTGCAGCGCAACTATGGCTTCCAGATCCACACCAAGGATGCTGTCTATACCTT
GTCGGCCATGACCTCAGGCATCCGGCGGAACTGGATCGAGGCTCTGAGAAAGACCGTACG
TCCAACTTCAGCCCCAGATGTCACCAAGCTCTCGGACTCTAACAAGGAGAACGCGCTGCA
CAGCTACAGCACCCAGAAGGGCCCCCTGAAGGCAGGGGAGCAGCGGGCGGGCTCTGAGGT
CATCAGCCGGGGTGGCCCTCGGGAGGCGGACGGGCAGCGTCAGGCCTTGGACTACGTGGA
ACTCTCGCCGCTGACCCAGGCTTCCNCCGAAGCGGCCCGGACCCAGCCCGGACTCCTGAC
CGNCTGGCCCAGCCAGGAGAGCTGGAGCGGGGACCTGGCCCAACGCTTCGAGGAAGCGGC
GCAAGTGGNTTTGAAGCCACAGACAGCAGGACCCCCAAAGGTTGCCTGCTTGTGAAGGGG
ACGCGCCCGGGGCCTGGGTGCCCCCCTGGACGAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_138632 unedited
GGCCCTTTATGNACGCGGNCCGCATTCTANGATCGGTTTTTTTTTTTTTTTTTAACAAT
AAAATTATATATCTTTTATTTGTAAATTGTGTACTAAGCATTGTTTTTATTGGTAAAATT
TATAATAAACTTATATATGTGTACACACACACGTTTTTTCTAGAGAGTTAGTTTGTCCTA
GTTGTGACAACCAGAAGTATTCCCAGACACAGCCAAATGTCCCCAAGGGGGACAAAATGG
ACCCCGTTGAGAACCGCTGTCCTAGGCGGACGGTGCATTCTCTGAGGGCTACTGGAGGCT
CCCCTGTCCTGCAGACCTCCTTGTGTGGGGCCTTGGCCCAGTGGGCCTCGGCAGGATTTC
CCTGTGTTCAGGGAGTGACTCTCGGGGCCACTAGCCCCCCACTTCCCCGGGGCAAGGGTC
CAAGTGCAGAGTGTCACACGGGGACTCACACACAGGCTCTGCAGTCAGCCGGACCCTCGC
TCAAATCCCACCTTTGAGACCTGCAGGCGGGGTGACCTTGGGCAAGTCACATAACCTCTC
AGAGCTCAGTGGCCTTGTCTGTAAAACGGGCACAGTGATCACGCCCACCAGCTGTGAGAT
GTAGCCCGGGGGGATGTGGCCATCCTCCTGGGATCTCAGTGCACTCTGAGGAGCCTCCCC
TTGGAGACGCCACGCCTCCAGCTGGGCCCGAAGAGCCTGAACCTCCTTCTCCAGTGCCTC
GTGGCCGTCACTTGGGGGCCCTCGGCGCTCTCCGCGGCTTAGGTTGAGCAGGGCAGTGAG
GGGCACCCGCTTATTCTCCGCAGGGGCAGCTNTCTCAGCTCCTGCCACTTCTTCTCGATC
TCCTCACTAGCCGGGTTTTGCTGGGTCTCAGTCAAGGGGGCA

Restriction Sites: NotI-NotI

ACCN: NM_138632

Insert Size: 2000 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_138632.1, NP_619538.1
RefSeq Size:	1743 bp
RefSeq ORF:	1743 bp
Locus ID:	11078
UniProt ID:	Q9H2D6
Cytogenetics:	22q13.1
Domains:	PH
Gene Summary:	This gene encodes a protein with an N-terminal pleckstrin homology domain and a C-terminal coiled-coil region. The protein interacts with trio, which is involved with neural tissue development and controlling actin cytoskeleton organization, cell motility and cell growth. The protein also associates with F-actin and stabilizes F-actin structures. Mutations in this gene have been associated with a form of autosomal recessive nonsyndromic deafness. Multiple alternatively spliced transcript variants that would encode different isoforms have been found for this gene, however some transcripts may be subject to nonsense-mediated decay (NMD). [provided by RefSeq, Nov 2008] Transcript Variant: This variant (2) differs in the 5' UTR, 3' UTR, and coding region (compared to variant 6), resulting in a protein that has shorter and distinct N- and C-termini when it is compared to isoform 6.