

Product datasheet for **SC318111**

TRIOBP (NM_007032) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIOBP (NM_007032) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIOBP
Synonyms:	DFNB28; dJ37E16.4; HRIHFB2122; TAP68; TARA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC318111 representing NM_007032.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGC
ATGGGCGGATGGAAGGGGCCGGGCAGCGTCGGGAAAGGAAGGGCCGGAGGCGGGCGGGCGGGCGGCC
GAGAGGGGCGGGCGGGCGGGCGGGGTTCCCGCGCGCGAGCCCGGCCGAGAGCCGCGTCCA
CGTTCCTGCCTCCTGCTCCCGCCGCCCTGGGGCGCGCCATGACGCCCGATCTGCTCAACTTCAAGAAG
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CAGTGGAAGAAACATTGGTTTGTGCTGACAGATTCAAGTCTCAAATATTACAGAGACTCCACTGCTGAG
GAGGCAGATGAGCTGGATGGTGAGATCGACCTGCGTTCCTGCACGGATGCTACTGAGTACGCGGTGACG
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CGGCGGAAGTGGATCGAGGCTCTGAGAAAGACCGTACGTCCAATTCAGCCCCAGATGTCACCAAGCTC
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CAGCGGGCGGGCTCTGAGGTCTCAGCCGGGTGGCCCTCGGAAGGCGGACGGGCAGCGTCAGGCCCTTG
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TCGATGCGCAACAGCCTGGCTGAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_007032

Insert Size: 1959 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_007032.5</u>
RefSeq Size:	4753 bp
RefSeq ORF:	1959 bp
Locus ID:	11078
UniProt ID:	<u>Q9H2D6</u>
Cytogenetics:	22q13.1
Domains:	PH
MW:	74 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) contains a distinct 5' UTR and lacks an in-frame portion of the 5' coding region, compared to variant 6. The resulting isoform (1) has a shorter N-terminus when compared to isoform 6.</p>