

Product datasheet for **SC301588**

TRAPPC2 (NM_001011658) Human Untagged Clone

Product data:

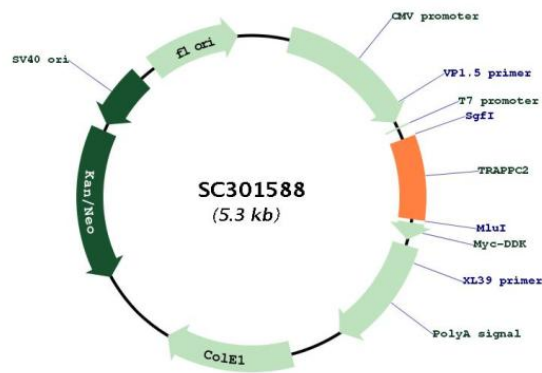
Product Type:	Expression Plasmids
Product Name:	TRAPPC2 (NM_001011658) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRAPPC2
Synonyms:	hYP38334; MIP2A; SEDL; SEDT; TRAPPC2P1; TRS20; ZNF547L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301588 representing NM_001011658. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGTCTGGGAGCTTCTACTTTGTAATTGTTGGCCACCATGATAATCCAGTTTTTGAAATGGAGTTTTTG
CCAGCTGGGAAGGCAGAATCCAAGACGACCATCGTCATCTGAACCAGTTCATAGCTCATGCTGCTCTC
GACCTCGTAGATGAGAACATGTGGCTATCGAACAAACATGACTTGAAAACGTGGACAAGTTCAACGAG
TGGTTTGTGTCGGCATTGTCACTGCGGGCATATGAGGTTTATTATGCTTCATGACATAAGACAAGAA
GATGGAATAAAGAACTTCTTTACTGATGTTTATGATTTATATAAAGTTTTCAATGAATCCATTTTAT
GAACCAATTCTCTATTCGATCAAGTGCATTTGACAGAAAAGTTCAGTTTCTTGGGAAGAAACACCTT
TTAAGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001011658

Insert Size: 423 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:

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_001011658.3](#)

RefSeq Size: 2869 bp

RefSeq ORF: 423 bp

Locus ID: 6399

UniProt ID: [P0DI81](#)

Cytogenetics: Xp22.2

Protein Families: Druggable Genome, Transcription Factors

MW: 16.4 kDa

Gene Summary: The protein encoded by this gene is thought to be part of a large multi-subunit complex involved in the targeting and fusion of endoplasmic reticulum-to-Golgi transport vesicles with their acceptor compartment. In addition, the encoded protein can bind c-myc promoter-binding protein 1 and block its transcriptional repression capability. Mutations in this gene are a cause of spondyloepiphyseal dysplasia tarda (SEDT). A processed pseudogene of this gene is located on chromosome 19, and other pseudogenes are found on chromosomes 8 and Y. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2010]

Transcript Variant: This variant (1) encodes the shorter isoform (1). Variants 1 and 2 encode the same isoform. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.