

Product datasheet for **RG224275**

TRAPPC2 (NM_014563) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TRAPPC2 (NM_014563) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TRAPPC2
Synonyms: hYP38334; MIP2A; SEDL; SEDT; TRAPPC2P1; TRS20; ZNF547L
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG224275 representing NM_014563
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTGGGAGCTTCTACTTTGTAATTGTTGGCCACCATGATAATCCAGTTTTTGAATGGAGTTTTTGC
 CAGCTGGGAAGGCAGAATCCAAAGACGACCATCGTCATCTGAACCAAGTTCATAGCTCATGCTGCTCTCGA
 CCTCGTAGATGAGAACATGTGGCTATCGAACAAACATGACTTGAAAAGTGGACAAGTTCAACGAGTGG
 TTTGTGTCGGCATTGTCACTGCGGGGCATATGAGGTTTATTATGCTTCATGACATAAGACAAGAAGATG
 GAATAAAGAAGTCTTTACTGATGTTTATGATTTATATAAAGTTTTCAATGAATCCATTTTATGAACC
 CAATTCTCTATTTCGATCAAGTGCATTTGACAGAAAAGTTCAGTTTCTTGGGAAGAAACACCTTTTAAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG224275 representing NM_014563
 Red=Cloning site Green=Tags(s)
 MSGSFYFVIVGHHDNPVFEMEFLPAGKAESKDDHRHLNQFIAHAALDLVDENMWLSNNMYLKTVDKFNFW
 FVSFAFVTAGHMRFIMLHDIRQEDGIKNFFTDVYDLYIKFSMNPFYEPNSPIRSSAFDRKVQFLGKKHLLS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_014563

ORF Size: 420 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

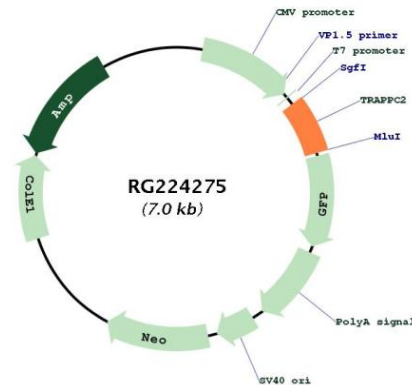
RefSeq: [NM_014563.5](#)

RefSeq Size: 2691 bp

RefSeq ORF: 423 bp

Locus ID: 6399
UniProt ID: [P0DI81](#)
Cytogenetics: Xp22.2
Domains: Sedlin_N
Protein Families: Druggable Genome, Transcription Factors
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 (SED). 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]

Product images:



Circular map for RG224275