

## Product datasheet for **SC319358**

### TPPP3 (NM\_016140) Human Untagged Clone

#### Product data:

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|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Product Name:             | TPPP3 (NM_016140) Human Untagged Clone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Tag:                      | Tag Free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Symbol:                   | TPPP3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Synonyms:                 | CGI-38; p20; p25gamma; TPPP/p20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Mammalian Cell Selection: | Neomycin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Vector:                   | pCMV6-AC (PS100020)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Fully Sequenced ORF:      | <p>&gt;OriGene sequence for NM_016140.2</p> <p>CGGCAGGGAGCGGAGCTGCGGAGCCGCTGGTCTCCCGCGTCCATCGGTCCATTCTGCG<br/>         TCGTTCTGTCTTCCGAACGCACACTTCAGGAGCAGCCGAGGGTGGCATGGCAGCGAG<br/>         CACAGACATGGCTGGGCTGGAGGAGAGCTTCCGCAAGTTTGCCATCCATGGTGACCCAA<br/>         GGCCAGTGGGCAAGAGATGAATGGCAAGAACTGGGCCAAGCTGTGCAAGGACTGCAAGGT<br/>         GGCTGACGGAAAGTCCGTGACAGGGACCGATGTGGACATCGTCTTCTCCAAAGTCAAGGG<br/>         GAAGTCTGCTCGGGTCATCAACTATGAGGAGTTCAAGAAGGCCCTGGAAGAGCTGGCGAC<br/>         CAAGAGATTCAAGGGGAAGAGCAAGGAGGAGGCCTTCGATGCCATCTGCCAGCTGGTGGC<br/>         AGGCAAGAGCCAGCCAATGTGGCGTCACTAAAGCAAAAACAGGGGGTGTGTAGACCG<br/>         GCTGACGGACACCAGCAGATACACGGGCTCCACAAGGAGCGCTTCGATGAGAGCGGCAA<br/>         GGGCAAGGGCATTGCGGGACGGCAGGACATCCTGGACGACAGTGGCTACGTGAGCGCCTA<br/>         CAAGAATGCAGGCACCTACGATGCCAAGGTGAAGAAGTGAGGCTTGGGAAGACCGCCCTG<br/>         CCAAGTGC GGCTGCCCTGCCAGAGGCTCAGGCCTGGGTCTAAGGGGCACGTGGAGCAAG<br/>         AGATCCTGGTCCCTCCCTGCTGGACCTGCCACCCAGAGCTTCCTGCCTAGTCCCACTGG<br/>         GCTGGCCACACAGGCCTCTGACCCAGGCTGCTCTGCGGCCCTTCCTCCTCCTCTTCTG<br/>         CTCCAATTCTGTCCACCTGGGGACAGTCTGTGCCTGTAGCCTCATGACCCCAACCCAGC<br/>         CCCAGGCATGGCTAACCCTGACTGCTTGCCTCATATTTAAGTGCTGCTCTGGCCAAGT<br/>         GCCTAATTTTAACCCAGACCTCAATAAAGACACCTTTTGTACCAAAAAAAAAAAAAAAAAA<br/>         AAAAA</p> |
| Restriction Sites:        | Please inquire                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ACCN:                     | NM_016140                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |


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| <b>OTI Disclaimer:</b>        | 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).                                                                                                                                                                          |
| <b>OTI Annotation:</b>        | 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.                                                                                                                                                                                                                                                      |
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                    |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>RefSeq:</b>                | <u><a href="#">NM_016140.2</a></u> , <u><a href="#">NP_057224.2</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq Size:</b>           | 1146 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 531 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Locus ID:</b>              | 51673                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>            | <u><a href="#">Q9BW30</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 16q22.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Summary:</b>          | <p>Binds tubulin and has microtubule bundling activity. May play a role in cell proliferation and mitosis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>                                                                                                                                                                                                                                              |