

## Product datasheet for **SC334655**

### **C18orf10 (TPGS2) (NM\_001271953) Human Untagged Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Product Name:</b>	C18orf10 (TPGS2) (NM_001271953) Human Untagged Clone
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	TPGS2
<b>Synonyms:</b>	C18orf10; HMFN0601; L17; PGs2
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-Entry (PS100001)
<b>E. coli Selection:</b>	Kanamycin (25 ug/mL)
<b>Fully Sequenced ORF:</b>	>NCBI ORF sequence for NM_001271953, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGAGGAGGCATCGTCCCCGGGGCTGGGCTGCAGCAAGCCGCACCTGGAGAAGCTGACCCTGGGCA
TCACGCGCATCCTAGAATCTTCCCCAGGTGTGACTGAGGTGACCATCATAGAAAAGCCTCCTGCTGAACG
TCATATGATTTCTTCTGGGAACAAAAGAATAACTGTGTGATGCCTGAAGATGTGAAGAAGCTTTTACCTG
ATGACCAATGGCTTCCACATGACATGGAGTGTGAAGCTGGATGAGCACATCATTCCACTGGGAAGCATGG
CAATTAACAGCATCTCAAAGTACTGACTCAGCTCACCCAGTCTTCCATGTATTCACCTCCTAATGCACCCAC
TCTGGCAGACCTGGAGGACGATACACATGAAGCCAGTGATGATCAGCCAGAGAAGCCTCACTTTGACTCT
CGCAGTGTGATTTTGGCTGGATTCATGCAATGGCAGTGGGAAAGTTTGCCTTGTCTACAAAAGTGGGA
AACCAGCATTAGCAGAAGACACTGAGATCTGGTTCTGGACAGAGCGTTATACTGGCATTCTCTACAGA
CACCTTTACTGCCTATTACCGCTGCTCATCACCCACCTGGGCCTGCCAGTGGCAATATGCCTTACC
AGCTATGGCATTAGCCCACAGGCCAAGGCATGGGGACTGGCCACAAGCAAAGAGTCAGCAGCATGA
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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001271953
<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>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).



**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\_001271953.1, NP\_001258882.1

**RefSeq Size:** 1315 bp

**RefSeq ORF:** 696 bp

**Locus ID:** 25941

**Cytogenetics:** 18q12.2

**Gene Summary:** This gene encodes a protein that is a component of the neuronal polyglutamylase complex, which plays a role in post-translational addition of glutamate residues to C-terminal tubulin tails. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2012]

**Transcript Variant:** This variant (6) contains an alternate 3' terminal exon compared to variant 1. It encodes isoform 6 which has a distinct C-terminus and is shorter than isoform 1.

**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.