

Product datasheet for **SC100444**

C18orf10 (TPGS2) (NM_015476) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C18orf10 (TPGS2) (NM_015476) Human Untagged Clone
Tag:	Tag Free
Symbol:	TPGS2
Synonyms:	C18orf10; HMFN0601; L17; PGs2
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015476, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGAGGAGGCATCGTCCCCGGGGCTGGGCTGCAGCAAGCCGCACCTGGAGAAGCTGACCCTGGGCA
TCACGCGCATCTAGAATCTTCCCAGGTGTGACTGAGGTGACCATCATAGAAAAGCCTCCTGCTGAACG
TCATATGATTTCTTCTGGGAACAAAAGAATAACTGTGTGATGCCTGAAGATGTGAAGAACTTTACCTG
ATGACCAATGGCTTCCACATGACATGGAGTGTGAAGCTGGATGAGCACATCATTCCACTGGGAAGCATGG
CAATTAACAGCATCTCAAAGTACTCAGCTCACCCAGTCTTCCATGTATTCACCTCCTAATGCACCCAC
TCTGGCAGACCTGGAGGACGATACACATGAAGCCAGTGATGATCAGCCAGAGAAGCCTCACTTTGACTCT
CGCAGTGTGATATTTGAGCTGGATTCATGCAATGGCAGTGGGAAAAGTTTGCCCTTGCTACAAAAGTGGGA
AACCAGCATTAGCAGAAGACACTGAGATCTGGTTCCTGGACAGAGCGTTATACTGGCATTCTTCTCACAGA
CACCTTTACTGCCTATTACCGCTGCTCATCACCCACCTGGGCCTGCCCCAGTGGCAATATGCCTTCACC
AGCTATGGCATTAGCCCACAGGCCAAGCAATGGTTCAGCATGTATAAACCTATCACCTACAACACAAACC
TGCTCACAGAAGAGACCGACTCCTTTGTGAATAAGCTAGATCCCAGCAAAGTGTTAAGAGCAAGAACAA
GATCGTAATCCCCAAAAGAAAGGGCCTGTGCAGCCTGCAGGTGGCCAGAAAGGGCCCTCAGGACCCCTCC
GGTCCCTCCACTTCTCCACTTCTAAATCCTCCTCTGGCTCTGGAAACCCACCCGGAAGTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015476 unedited
 NGGTTGCACCAATAGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGAGCCA
 TGGAGGAGGAGGCATCGTCCCGGGGCTGGGCTGCAGCAAGCCGCACCTGGAGAAGCTGA
 CCCTGGGCATCACGCGCATCCTAGAATCTTCCCAGGTGTGACTGAGGTGACCATCATAG
 AAAAGCCTCCTGCTGAACGTCATATGATTTCTTCTGGGAACAAAAGAATAACTGTGTGA
 TGCCTGAAGATGTGAAGAACTTTTACCTGATGACCAATGGCTTCCACATGACATGGAGTG
 TGAAGCTGGATGAGCACATCATTCCACTGGGAAGCATGGCAATTAACAGCATCTCAAAC
 TGACTCAGCTCACCCAGTCTTCCATGTATTCACTTCTAATGCACCCACTCTGGCAGACC
 TGGAGGACGATACACATGAAGCCAGTGATGATCAGCCAGAGAAGCCTCACTTTGACTCTC
 GCAGTGTGATATTTGAGCTGGATTTCATGCAATGGCAGTGGGAAAGTTTGCCTTGTCTACA
 AAAGTGGGAAACCAGCATTAGCAGAAGACACTGAGATCTGGTTCTCGACAGAGCGTTAT
 ACTGGCATTNTCTCACAGACACCTTTACTGCCTATTACCGCTGCTCATCACCCACTGG
 GCCTGCCCCAGTGGCAATATGCCCTCACCAGCTATGGCATTAGCCACAGGCCAAGCAAT
 GTTTCANCATGTATAAACCTATCACCTACAACACAAACCTGCTCACAGAAGAGACCGACT
 NCCTTGTGATTAGCTAGATCCCAGCAAATGTTTAAAGAGCAAGACCAGATCGTATCCCAA
 AAGAAAAGGCTGTGCAACCTGCAGTGGCCAAAAGGCCCTCAGAACTCTCGTNCCTTCC
 TTCTCCACTTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015476 unedited
 ACTATGNACCGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTAAAAATGAA
 TAGTAAAAATGCATGATAGGAATTAACATTTAAGTTTTTATGTTAGAACAGCATTAAAGTAG
 CAAATAAAAAACACAGCCATAACAAGTTGAGAAAGACACTATGGAAGAAAGGAAAAACAT
 TACATTTTAGTACCTGTAAAGGTAATGTTTTCTGCTGTTTGCACAAAAGCCTCACATCT
 TCATTTTGTACTGGATCCTGCACCTGAGTGGAGTCACTGCTCTTCCCTGCTCACTCCT
 TCTGAGGCAGGTCTTGAGCCTTTCCTTATCATAACCCCTTCTTTGATAGCCTTTTGG
 AACTCCCCTTGATTGCCACAGATTTGAGTGACACCGCTGACCTCCTGGTTCCCTCGCTG
 CTTCACTTGTGGAATCCAGGGCTGATTTAGAAATGCTGTGATTTCGGGGATCTCCAAGTA
 CTA AAAAAGGGGTATCTGCTGCAGTGGAAAGATGACATAACTTCTCAACTCCCTTCTAAC
 TCGCTTGTCTTGGAGAAGCAGCCAAATGCTAGAATCTCCTATCCAGTGCCGTTGGCTCTT
 CCTTTGATCAATTCTGGCAAGAAAAATACTTCTGGAAGACTAACTCCAGCTATTGCTCT
 CAACAACCTTGGTCTCTATATCCTTTTCTGCCACTCCATGAATTGTTGCACATTTATAA
 ATCCTTGAAGTATAATAACCTAAACAATAAAAAGGGCGCAATGTCTCCTAGAGATATGT
 GACAGTCATGTTATGGTTAAAACACCANACACACACACACACACACACACACACACAC
 ACACACAATTTTTAAATGACCACACTGGATTATAAGTGGTTAGATTTGGGATTGAAAAGG
 AAAGAGGTCTCTTTTTTAAAGCAAATGAGGAGCTGTTATACGAAGCTCATTTTAGCTCC
 CAAAATCTTAACGCTGT

Restriction Sites:

NotI-NotI

ACCN:

NM_015476

Insert Size:

4000 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).

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_015476.2](#), [NP_056291.2](#)

RefSeq Size: 2079 bp

RefSeq ORF: 903 bp

Locus ID: 25941

UniProt ID: [Q68CL5](#)

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 (1) represents the longest transcript and encodes 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.