

Product datasheet for **SC331015**

C18orf10 (TPGS2) (NM_001271954) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C18orf10 (TPGS2) (NM_001271954) Human Untagged Clone
Tag:	Tag Free
Symbol:	C18orf10
Synonyms:	C18orf10; HMFN0601; L17; PGs2
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC331015 representing NM_001271954. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAGGAGGAGGCATCGTCCCCGGGGCTGGGCTGCAGCAAGCCGCACCTGGAGAAGCTGACCCTGGGC
ATCACGCGCATCCTAGAATCTTCCCCAGGTGTGACTGAGGTGACCATCATAGAAAAGCCTCTGTGAA
CGTCATATGATTTCTTCTGGGAACAAAGAATAACTGTGTGATGCCTGAAGATGTGAAGAACTTTTAC
CTGATGACCAATGGCTTCCACATGACATGGAGTGTGAAGCTGGATGAGCACATCATTCCACTGGGAAGC
ATGGCAATTAACAGCATCTCAAACTGACTCAGCTCAGCTCAGCTCCTCATGTATTCACTTCCTAATGCA
CCCACTCTGGCAGACCTGGAGGACGATACACATGAAGCCAGTGATGATCAGCCAGAGAAGCCTCACTTT
GACTCTCGCAGTGTGATATTTGAGCTGGATTCATGCAATGGCAGTGGGAAAGTTTGCCTTGTCTACAAA
AGTGGGAAACCAGCATTAGCAGAAGACACTGAGATCTGGTTCTGGACAGAGCGTTATACTGGCATTTT
CTCACAGACACCTTTACTGCCTATTACCGCTGCTCATCACCCACCTGGGCCTGCCCCAGTGGCAATAT
GCCTTCACCAGCTATGGCATTAGCCACAGGCCAAGGTAAGGGAGGAACACCTGCCATTGTAA
  
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001271954
Insert Size:	684 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).


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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_001271954.1](#)

RefSeq Size: 1558 bp

RefSeq ORF: 684 bp

Locus ID: 25941

UniProt ID: [Q68CL5](#)

Cytogenetics: 18q12.2

MW: 25.7 kDa

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 (7) differs in the 3' coding region and the 3' UTR; its transcription extends past a splice site that is used in variant 1, resulting in a novel 3' coding region and 3' UTR compared to variant 1. It encodes isoform 7 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.