

Product datasheet for **SC331014**

C18orf10 (TPGS2) (NM_001271952) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C18orf10 (TPGS2) (NM_001271952) Human Untagged Clone
Tag:	Tag Free
Symbol:	C18orf10
Synonyms:	C18orf10; HMFN0601; L17; PGs2
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC331014 representing NM_001271952. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGATTTCTTCTGGGAACAAAGAATAACTGTGTGATGCCTGAAGATGTGAAGAACTTTTACCTGATG
 ACCAATGGCTTCCACATGACATGGAGTGTGAAGCTGGATGAGCACATCATTCCACTGGGAAGCATGGCA
 ATTAACAGCATCTCAAACTGACTCAGCTACCCAGTCTTCCATGTATTCACTTCCTAATGCACCCACT
 CTGGCAGACCTGGAGGACGATACACATGAAGCCAGTGATGATCAGCCAGAGAAGCCTCACTTTGACTCT
 CGCAGTGTGATATTTGAGCTGGATTATGCAATGGCAGTGGGAAAGTTTGCCTTGTCTACAAAAGTGGG
 AAACCAGCATTAGCAGAAGACACTGAGATCTGGTTCCTGGACAGAGCGTTATACTGGCATTCTCACA
 GACACCTTTACTGCCTATTACCGCTGCTCATCACCCACCTGGGCCTGCCCAAGTGGCAATATGCCTTC
 ACCAGCTATGGCATTAGCCACAGGCCAAGGTAAGGGAGGAACACCTGCCATTGTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001271952
Insert Size:	540 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_001271952.1](#)

RefSeq Size: 1627 bp

RefSeq ORF: 540 bp

Locus ID: 25941

UniProt ID: [Q68CL5](#)

Cytogenetics: 18q12.2

MW: 20.5 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 (5) contains an alternate exon in the 5' coding region compared to variant 1 and its transcription extends past a splice site that is used in variant 1, resulting in a novel 3' coding region and 3' UTR. These differences cause translation initiation at a downstream AUG and result in an isoform (5) which has a shorter N-terminus and a shorter and distinct C-terminus compared to 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.