

## Product datasheet for **RG236765**

### **C18orf10 (TPGS2) (NM\_001271956) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C18orf10 (TPGS2) (NM_001271956) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C18orf10
Synonyms:	C18orf10; HMFN0601; L17; PGs2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236765 representing NM_001271956. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGAGGAGGCATCGTCCCCGGGGCTGGGCTGCAGCAAGCCGCACCTGGAGAAGCTGACCCTGGGC
ATCACGCGCATCCTAGAATCTTCCCCAGGTGTGACTGAGGTGACCATCATAGAAAAGCCTCCTGCTGAA
CGTCATATGATTTCTTCTGGGAACAAAAGAATAACTGTGTGATGCCTGAAGATGTGAAGAACTTTTAC
CTGATGACCAATGGCTTCCACATGACATGGAGTGTGAAGCTGGATGAGCACATCATTCCACTGGGAAGC
ATGGCAATTAACAGCATCTAAAAGTACTCAGCTCACCCAGTCTCCATGTATTCACTTCTAATGCA
CCCACTCTGGCAGACCTGGAGGACGATACACATGAAGCCAGTGATGATCAGCCAGAGAAGCCTCACTTT
GACTCTCGCAGTGTGATATTTGAGCTGGATTCATGCAATGGCAGTGGGAAAGTTTGCCTTGCTACAAA
AGTGGGAAACCAGCATTAGCAGAAGACACTGAGATCTGGTTCTGGACAGAGCGTTATACTGGCATTTT
CTCACAGACACCTTTACTGCCTATTACCGCTGCTCATCACCCACCTGGGCTGCCCCAGTGGCAATAT
GCCTTACCAGCTATGGCATTAGCCACAGGCCAAGCCAAAGGATCTGAAGGCCGTTCCAAGCGAGGG
TGCTTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG236765  
 Blue=ORF Red=Cloning site Green=Tag(s)

MEEEASSPGLGCSKPHLEKLT LGITRILESSPGVTEVTII EKPPAERHMIS SWEQKNNCVM PEDVKNFY  
 LMTNGFHTWSVKLDEHI IPLGSMAINSISKLTQLTQSSMYSLNAPTLADLEDDTHEASDDQPEKPHF  
 DSRSVIFELDSCNGSGK VCLVYKSGKPALAEDTEIWF LDRALYWHFLDTFTAYYRLLITHLGLPQWQY  
 AFTSYGISPQAKPKGSEGRSKRGCF  
 TRTRPLEMESDESGLPAMEIECRITGT LINGVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPE  
 SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001271956

**ORF Size:** 696 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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).

**RefSeq:** [NM\\_001271956.1](#), [NP\\_001258885.1](#)

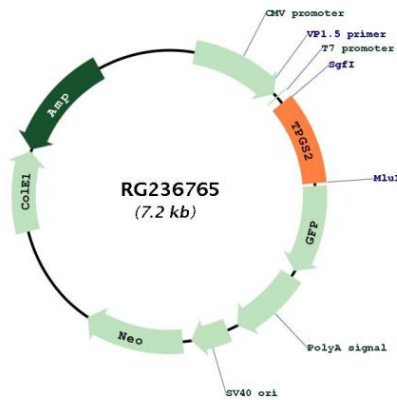
**RefSeq Size:** 1279 bp

**RefSeq ORF:** 699 bp

Locus ID: 25941  
 Cytogenetics: 18q12.2  
 MW: 26.5 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]

**Product images:**



Circular map for RG236765