

## Product datasheet for **RG235892**

### C18orf10 (TPGS2) (NM\_001271955) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C18orf10 (TPGS2) (NM\_001271955) 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:** >RG235892 representing NM\_001271955.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGAGGAGGCATCGTCCCCGGGGCTGGGCTGCAGCAAGCCGCACCTGGAGAAGCTGACCCCTGGGC
ATCACGCGCATCTAGAATCTTCCCCAGGTGTGACTGAGGTGACCATCATAGAAAAGCCTCCTGCTGAA
CGTCATATGATTTCTTCTGGGAACAAAAGAATAACTGTGTGATGCCTGAAGATGTGAAGAACTTTAC
CTGATGACCAATGGCTTCCACATGACATGGAGTGTGAAGCTGGATGAGCACATCATTCCACTGGGAAGC
ATGGCAATTAACAGCATCTCAAACACTGACTCAGCTCACCCAGTCTCCATGTATTCACTTCTAATGCA
CCCCTCTGGCAGACCTGGAGGACGATACACATGAAGATAACTTA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG235892  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MEEEASSPGLGCSKPHLEKLTGITRILESSPGVTEVTIEKPPAERHMISWEQKNNCVPEDVKNFY
LMTNGFHMTWSVKLDEHIIPLGSMAINSISKLTQLTQSSMYSLPNAPTLADLEDDTHEDNL
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKAIPHISILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001271955

**ORF Size:** 390 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\\_001271955.1](#), [NP\\_001258884.1](#)

**RefSeq Size:** 1443 bp

**RefSeq ORF:** 393 bp

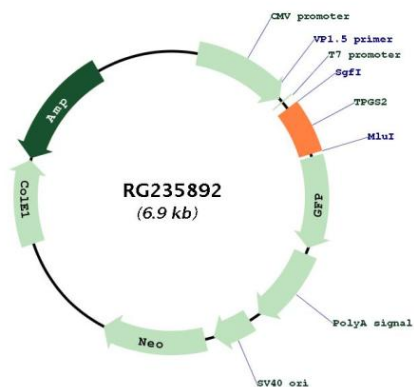
**Locus ID:** 25941

**Cytogenetics:** 18q12.2

**MW:** 14.9 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 RG235892