

Product datasheet for **RC235892**

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: Myc-DDK
Symbol: TPGS2
Synonyms: C18orf10; HMFN0601; L17; PGs2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC235892 representing NM_001271955
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGAGGAGGCATCGTCCCCGGGGCTGGGCTGCAGCAAGCCGCACCTGGAGAAGCTGACCCTGGGCA
TCACGCGCATCCTAGAATCTTCCCAGGTGTGACTGAGGTGACCATCATAGAAAAGCCTCTGCTGAACG
TCATATGATTTCTTCTGGGAACAAAAGAATAACTGTGTGATGCCTGAAGATGTGAAGAAGCTTTACCTG
ATGACCAATGGCTTCCACATGACATGGAGTGTGAAGCTGGATGAGCACATCATTCCACTGGGAAGCATGG
CAATTAACAGCATCTCAAAGTACTCAGCTCACCCAGTCTTCCATGTATTCACCTCCTAATGCACCCAC
TCTGGCAGACCTGGAGGACGATACACATGAAGATAACTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235892 representing NM_001271955
Red=Cloning site Green=Tags(s)

MEEEASSPGLGCSKPHLEKLTLGITRILESSPGVTEVTIIEKPPAERHMISSEWQKNNCVMPEDVKNFYL
MTNGFHMTWSVKLDEHIIPLGSMAINSISKLTQLTQSSMYSLPNAPTLADLEDTHEDNL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

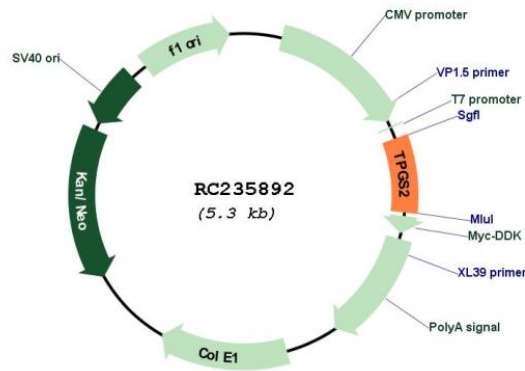


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Cloning Scheme:



Plasmid Map:



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).
Reconstitution Method:	<ol style="list-style-type: none">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:	<u>NM_001271955.1</u> , <u>NP_001258884.1</u>
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]