

Product datasheet for **RC232438**

C18orf10 (TPGS2) (NM_001271951) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C18orf10 (TPGS2) (NM_001271951) 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:	>RC232438 representing NM_001271951 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGAGGAGGCATCGTCCCCGGGGCTGGGCTGCAGCAAGCCGCACCTGGAGAAGCTGACCCTGGGCA
TCACGCGCATCCTAGAATCTTCCCAGGTGTGACTGAGGTGACCATCATAGAAAAGCCTCCTGCTGAACG
TCATATGATTTCTTCTGGGAACAAAAGAATAACTGTGTGATGCCTGAAGATGTGAAGAAGCTTTACCTG
ATGACCAATGGCTTCCACATGACATGGAGTGTGAAGCTGGATGAGCACATCATTCCACTGGGAAGCATGG
CAATTAACAGCATCTCAAAGTACTGACTCAGCTCACCCAGTCTTCCATGTATTCACTTCCTAATGCACCCAC
TCTGGCAGACCTGGAGGACGATACACATGAAGCCAGTGTGATCAGCCAGAGAAGCCTCACTTTGACTCT
CGCAGTGTGATATTTGAGCTGGATTCAATGAAGTGGCAGTGGGAAAGTTTGCCTTGTCTACAAAAGTGGGA
AACCAGCATTAGCAGAAGACACTGAGATCTGGTTCCCTGGCAGAGCGTTATACTGGCATTCTCACAGA
CACCTTTACTGCCTATTACCGCTGCTCATCACCCACCTGGGCCCTGCCCCAGTGGCAATATGCCTTACC
AGCTATGGCATTAGCCCCACAGGCCAAGATAACTTATAATATCAAATGAATAGAAGAAAATGTGTTCACT
GGAAACTGGCTGTTGAGCCCTCCAATGGGAGCTGAGGAGCTGTGTCTCTGCAGGCATGGGACTGGCCA
CAAGCAAAGAGTCAGCAGCATGAAGCCCCGAGCTGTAGCGTGTGACGAGCGCCAATCCAACAGCATG
GGAACAACAGTGTGCAATCATTCTCAGTTATGGCAAGAATGTGCTATTTTCACTGTTAGGTGTTGCT
TC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC232438 representing NM_001271951
 Red=Cloning site Green=Tags(s)

MEEEASSPGLGCSKPHLEKLTGITRILESSPGVTEVTIIEKPPAERHMISSEWQKNNCVMPEDEVKNFYLM
 MTNGFHMTWSVKLDEHIPLGSMAINSISKLTQLTQSSMYSLPNAPTLADLEDDTHEASDDQPEKPHFDS
 RSVIFELDSCNGSGKVCCLVYKSGKPALAEDTEIWFLDRALYWHFLDTFTAYYRLLITHLGLPQWQYAF
 SYGISPQAKITYNIKMNRRKCVHWKLAVEPLQWELRSCVSAGMGTGHKQRVSSMKPRSCSVCSRRQNSM
 GTTVSQSFLSYGKNVLFVTRCCF

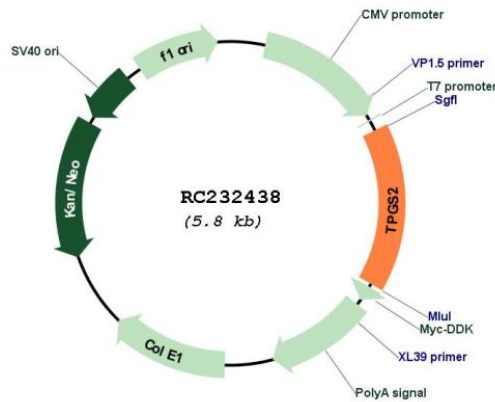
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001271951

ORF Size: 912 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:	NM_001271951.1 , NP_001258880.1
RefSeq Size:	1718 bp
RefSeq ORF:	915 bp
Locus ID:	25941
UniProt ID:	Q68CL5
Cytogenetics:	18q12.2
MW:	34.8 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]