

Product datasheet for **RR211469**

Tpgs2 (NM_001014147) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tpgs2 (NM_001014147) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tpgs2
Synonyms: Pgs2; RGD1310571
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211469 representing NM_001014147
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGAGACACCGCCCCCAATGCAAGCCGGCAGCAAGCCGCACCTTGAGAAGTTGACCCTGGGCGTAA
CTCGCATCCTGGAATCTCCCCAGGTGTGACAGAGGTGAGCATAATAGAAAAGCTGCCTGCTGAGCGTCA
TATGATTTCTTCATGGGAACAGAAAACAATTGTGTGATGCCTGAGGATGTGAGAACTTCTACTTGATG
ACCAATGGTTTTACATGACCTGGAGTGTGAAGCTAGATGACCACATTATCCACTGGGAAGCATGGTGA
TTAATGGCATTTCAAAAGTACTCAGCTCATCCAGTCCTCCGTGACTCACTTCCTAATGCACCAACTCT
GGCGGACCTGGAGGATGATTCTCAAGAAGGCAATGAAGACCACCAGCTCGAGAAGCCTCACTTTGACTGT
CGCAGTGCATATTTGAGCTGGATTCAATGCGGTGGAAATGGGAAAGTTTGCCTCGTCTACAAAAATGGGA
AACCTGGATTAGCTCATGACACTGAGATATGGTTCCTGGACAGAGCGTTACTGGCATTCTCACAGA
CACCTTTACTGCCTATTACCGCTGTCTATCACCCACCTGGGCTGCCCCAGTGGCAATATGCCTTTACC
AGCTATGGCATTAGCCACAGGCCAAGCAATGGTTCAGTATGTACAAACCCATCACCTACAACACGAGCC
TGCTCACAGAAGAGCCCGACACCTTTGTGAACAAGCTGGACCCAGCAAAGTGTTCAAGGAAGAACA
GATTTTAAATCCCAAAAAAGAAAGGGCCTGTGCAGCCTGTCAAGTGGCCAGAAAGGGCCCGGCCCTTAGCT
CCGCCTACCTCTAAACCTTCTGCAGGCTGTGAAACCCTGTCCGAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211469 representing NM_001014147
 Red=Cloning site Green=Tags(s)

MEETPPPMQAGSKPHLEKLT LGVTRILESSPGVTEVSIIEKLP AERHMISSWEQKNNCVMPEDVRNFYLM
 TNGFHMTWSVKLDDHI IPLGSMVINGISKLTQLIQSSVYSLPNAPTLADLEDDSQEGNEDHQLEKPHFDC
 RSAIFELDSCGGNGKVC LVYKNGKPGLAHDTEIWFLDRALYWHFLTDTFTAYYRLLITHLGLPQWQYAFT
 SYGISPQAKQWFSMYKPI TYNTSLLTEEPDTFVNKLDPSKVFKSKNKILIPKKKGPVQPVSGQKGPGLA
 PPTSKPSAGCGNPVVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

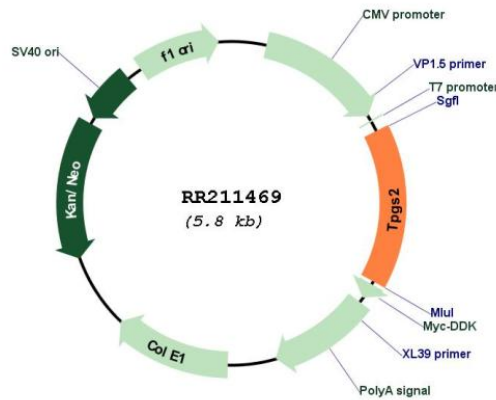
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001014147

ORF Size: 888 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_001014147.1 , NP_001014169.2
RefSeq Size:	2459 bp
RefSeq ORF:	891 bp
Locus ID:	361301
UniProt ID:	Q6AXS8
Cytogenetics:	18p12
MW:	33.2 kDa