

Product datasheet for **MR213124**

Tpgs2 (NM_001142698) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tpgs2 (NM_001142698) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tpgs2
Synonyms:	5730437P09Rik; 5730494M16Rik; AI666318; Pgs2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR213124 representing NM_001142698 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGAGGAGACAACGCCCCACTGCAAGCCGGCAGCAAGCCGCACCTTGAGAAGTTGACCCTAGGCGTCA
CTCGCATCTGGAATCTTCCCAGGTGTGACCGAGGTGAGCATAATAGAAAAGCTGCCTGCTGAGCGTCA
TATGATTTCTTCATGGGAACAGAAAACAATTGTGTGATGCCTGAGGATGTGAGAACTTCTACTTGATG
ACCAATGGTTTTACATGACCTGGAGTGTGAAGCTAGATGAGCACATTATCCACTGGGAAGCATGGTGA
TTAACGGCATTTCAAAAGTACTCAGCTCATCCAGTCTTCTGTGTACTCACTTCCTAATGCACCAACTCT
GGCAGACCTAGAGGACGATACTCAAGAAGGAAATGAAGACCACCAGCTAGAGAAGCCTCACTTTGACTGT
CGCAGTGCAATATTTGAGCTGGATTCAATGCAATGGGAATGGGAAAGTTTGCCTCGTCTACAAAAATGGGA
AACCTGGGTTAGCTCATGACACTGAGATATGGTTCCTGGACAGAGCATTACTGGCACTTTCTCACGGA
TACCTTTACCGCCTATTACCGCCTGCTCATCCCCACCTGGGCCGCCCCAGTGGCAGTATGCCTTTACC
AGCTATGGCATTAGCCACAGGCCAAGGTAGCTTCTATCTATAGTCAAGAAGAAAGCATGAATTTCCAAG
CAACATCTGTTAGAAACCAATGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR213124 representing NM_001142698
Red=Cloning site Green=Tags(s)

MEETTPPLQAGSKPHLEKLT LGVTRILESSPGVTEVSIIEKLP AERHMISSWEQKNNCVMPE DVRNFYLM
 TNGFHMTWSVKLDEHI IPLGSMVINGISKLTQLIQSSVYSLPNAPT LADLEDDTQEGNEDHQLEKPHFDC
 RSAIFELDSCNGNGKVKCLVYKNGKPLAHDTEIWFLDRALYWHFLD TDTFTAYYRLLITHLGLPQWQYAF
 SYGISPQAKVASIYSQEESMNFQATSVRNQW

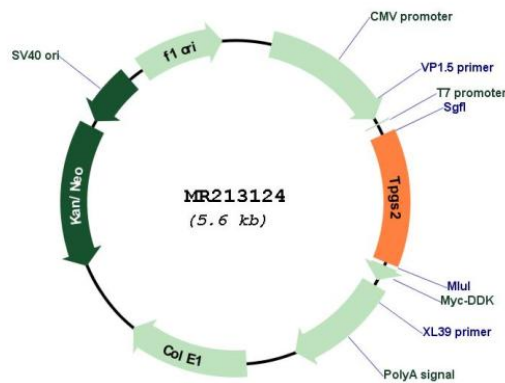
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001142698
ORF Size: 723 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_001142698.1 , NP_001136170.1
RefSeq Size:	3607 bp
RefSeq ORF:	726 bp
Locus ID:	66648
UniProt ID:	Q66JT5
Cytogenetics:	18 A2
MW:	27.9 kDa