

Product datasheet for **RR206611**

Tpsg1 (NM_175593) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tpsg1 (NM_175593) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tpsg1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR206611 representing NM_175593 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCTGGGGCCCTACTGTGGCTTCTACTGCTTCTGGCTGTTCTCTGGGTGTGGCCAGCCCCAGGTTT
CACATGCAGGAAGTCGAATCGTGGGAGGGCACGCTGCCAAGCTGGTGCATGGCCGTGGCAGGCTAGCCT
CCGTCTGCAGAAGGTGCATGTGTGGAGGATCCCTGCTCAGTCCAGAATGGGTACTIONCACAGCAGCCCCAC
TGCTTCTCTGGGTCTGTGAACCTCGTGGATTATGAGGTGCACTTGGGGGAGCTGACGATCACACTGTCTC
CTCATTCTCCACCGTAAAGCAAATTATCATGACTCTAGTGCCCCAGGACCACCGGGTCCAGTGGAGA
CATTGCCCTGGTGCAGCTGGCCACCCCGTGGCTTTCCAGCCAGGTCCAGCCTGTGTGCCTTCCAGAG
GCCTCAGCCGACTTCCACCCTGGGATGCAGTGTGGGTGACAGGCTGGGGCTATACACAGGAGGGAGAGC
CTCTGAAACCCCATACAATCTTCAGGAGGCCAAGGTCTCTGTGGTGGATGTAGAGACCTGCAGCCAGGC
TTACAGCAGCTCCAACGGCAGCCTATTAGTCAGACATGCTATGCGCCTGGGGCCCTGGGGATGCCTGC
CAGGATGACTCTGGAGGGCCACTAGTCTGCCGGTGGCTGGGATCTGGCAGCAGGCTGGTGTGTCAGCT
GGGGTGAGGGCTGTGGCCGCCCTGACCGCCCTGGCGTCTATGCTCGGGTACTGCCTATGTAACCTGGAT
CCACCGCCACATCTGGAACCAGGGGGCTCAGGAATGCAAGGGCTCTCCTGGATCCCCTCTGGCTGGC
CTTTCTTGCCAAGTCTTCTGCTGCTGGTCTCTGGAGTCGTGATGGCCAAGTACTGGCTGGGCTCTC
CTCCCACCCAGCCTTGGAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206611 representing NM_175593
Red=Cloning site Green=Tags(s)

MALGPYCGFLLLLAVPGCGQPQVSHAGSRIVGGHAAQAGAWPWQASLRLQKVHVCGGSLLSPEWVLTAAH
 CFSGSVNSSDYEVHLGELTITLSPHFSTVKQIIMYSSAPPPGSSGDIALVQLATPVALSSQVQPCLPE
 ASADFHGMQVCWVTGWGYTQEGEPLKPPYNLQEAKVSVVDVETCSQAYSSNGLIQSDMLCAWGPGDAC
 QDSSGGPLVCRVAGIQQAGVVSWECEGGRPDRPGVYARVTAYVNWIIHRHILEPGGSGMQGLSWIPLLAG
 LFLPSLFLLLVSGVVMKYWLGSPSHPALEF

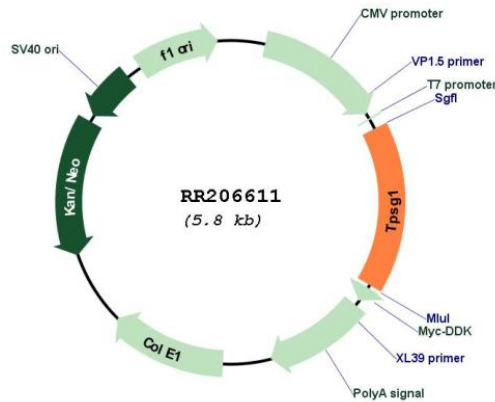
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_175593

ORF Size:	933 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_175593.2 , NP_783183.1
RefSeq Size:	1113 bp
RefSeq ORF:	936 bp
Locus ID:	302990
Cytogenetics:	10q12
MW:	32.8 kDa
Gene Summary:	mouse homolog is a transmembrane mast cell serine protease [RGD, Feb 2006]