

Product datasheet for **RR211060**

Gsto1 (NM_001007602) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gsto1 (NM_001007602) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gsto1
Synonyms: SPG-R
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211060 representing NM_001007602
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCGGGGCGTCCGCCAGGAGCCTGGGAAGGGAAGCGCGCCCTGGCCGGTCCCGAGGGCCAGA
TCCGAGTCTACAGCATGAGGTTCTGTCCCTTTGCTCAGAGGACGCTGATGGTCTGAAGCCAAGGGAAT
CCGGCATGAAATCATCAACATCAACCTGAAGAATAAGCCCGAGTGGTTCTTTGAGAAGAATCCCTTTGGG
CTGGTGCCGGTTCTGGAGAACACTCAGGGTCACCTGATCACTGAATCTGTCACTACTTGGAGTACCTGG
ATGAAGCATACCCGGAGAAGAAGTTATCCAGATGACCCGTACGAGAAAAGCTTGCCAGAAGATGACCTT
TGAGTTATTCTCAAAGGTGCCGTCTCTGGTTACGAGTTTTATTAGGGCGAAGAGAAAAGAACCATCCG
GGCATAAAGGAAGAACTGAAGAAAGAGTTCAGCAAGCTAGAAGAGGCTATGGCTAAAAAGAGGACAGCCT
TCTTCGGTGGGAATTCGCTCTCAATGATCGATTATCTTATTTGGCCGTGGTTTCAGCGACTGGAAGCACT
GGAGCTCAATGAGTGTATAGACCACACCCAAAACCTCAAGCTCTGGATGGCAACCATGCAGGAAGACCCC
GTGGCATCATCCCACTTCATTGATGCCAAGACCTACCGTGATTACTTAAGTCTCTACCTACAGGACAGCC
CCGAGGCCTGTGATTATGGGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR211060 representing NM_001007602
 Red=Cloning site Green=Tags(s)

MSGASARSLGKGSAPPGVPEGQIRVYSMRFCPFAQRTLMLVKAKGIRHEIININLNKPEWFFFEKNPFG
 LVPVLENTQGHLLITESVITCEYLDEAYPEKKLPDDPYEKACQKMTFELFSKVPSLVTSFIRAKRKEDHP
 GIKEELKKEFSKLEEMAKKRRTAFFGGNSLSMIDYLIWPWFQRLEALELNECIDHTPKLKLWMATMQEDP
 VASSHFIDAKTYRDYLSLYLQDSPEACDYGL

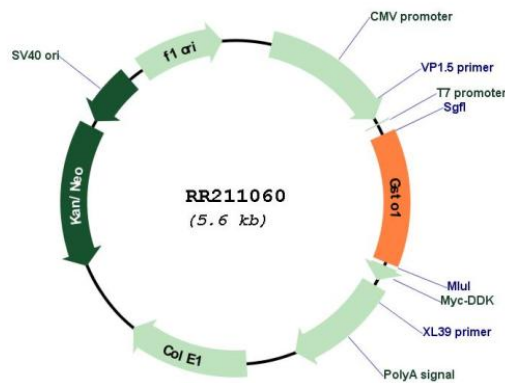
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001007602

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_001007602.1 , NP_001007603.1
RefSeq Size:	907 bp
RefSeq ORF:	726 bp
Locus ID:	114846
Cytogenetics:	1q54
MW:	27.7 kDa
Gene Summary:	a glutathione-dependent dehydroascorbate reductase [RGD, Feb 2006]