

Product datasheet for **RR205824**

Gsg1 (NM_001013166) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gsg1 (NM_001013166) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gsg1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205824 representing NM_001013166 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAGCGACTCCTGTGCTGACTCAAAATGTTTGTCTCACCCAGGAGATGGAGTCCAGAAGGGTCCCT
CTGACCAGCGGACCTTCGTTTCTGCCATCCTCAACATGCTATCACTCGGCCTCTCCACAGCATCCCTGCT
CAGCAGCGAGTGGTTTGTGGGGCACAGAAGGTGCCAAGCCCTGTGCGGGCAAAGTCTGGCAGCCAAG
TGCTTTGACATGCCGATGTCCTTGGATGGGGGCATCACCAACGCATCAGCCCAGGAGGTGTTACAATACA
CCTGGGAGGCTGGGGATGACCGCTTCTCCTTACCTTCCGCAGTGGCATGTGGCTATCCTGTGAGGA
AACCGTGAAGAGCCAGGGGAGAAGTGCCGACGTTTCATTGAACTCACACCACCAGCCAGAGAGGTGAG
AAAGGACTACTGGAATTTGCCACGTTGCAAGGCTCATGTCACCCCACTCTCCGATTTGGAGGGGAGTGCC
TAATGGAGATGGCTTCTCCTTACCTCCCTGGGGCCCTTGGCAAAGGTCTCTGGCTGTGCTGGG
AGCACAACTGCCTATATCGGACTTCAATTCATCAGCTTCTCCTGCTACTGACAGATCTGCTGCTCACC
AGCAACCCTGGCTGTGGGCTCAAGCTAAGCGCTTTTGCAGCAGTCTCCTTGGTCTGTGAGGCTGTGG
GGATGGTAGCTCATATGCTATATTTGCAAGTCTTCCAGGCAACTGCCAATTGGGTCCGGAGGACTGGAG
ACCACACTCTTGAATTATGGCTGGGCTTCTACACGGCCTGGGTTTCTTACCTGCTGTATGGTATCA
GCAGTCCACCCTTCAACACCTACACCAGGATGGTGTGGAGTTCAAGTGTAGGCACGGTACAAGTTTTA
ACACCAACCCAGTTGCCGGGCACAGCACCACCGCTGTTTCTTCTCCGTTGACCTGCGCAGTCCACGC
AGGGGAACCTTCGACCAGTTGCCATCAGCACCCAGCCATCCCATCCGCTCTGTCTCCGAAAGTATAGAC
CTCTACTCGGCCCGCGCTACAGGACAAGAAGTTTCAACAAGAAAACAGCCAGGAGCTAAAGGAAGCGA
CCGAGTCATCTGTAGAAGAGCAGTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205824 representing NM_001013166
Red=Cloning site Green=Tags(s)

MSDSCQLTQNVCLTQEMEFQKGPSDQRTFVSAILNMLSLGLSTASLLSSEWFVGAQKVPKPLCGQSLAAK
 CFDMPMSLDGGITNASAQEVVQYTWEAGDDRFSLTFRSGMWLSCEETVEEPGEKCRRFIELTPPAQRGE
 KGLLEFATLQGSCHPTLRFGGEWLMEMASLLYLPWGPLAKVLWLSLGAQTAYIGLQFISFLLLLTDLLLT
 SNPGCGLKLSAFAAVSLVLSGLLGMVAHMLYLQVFQATANLGPEDWRPHSWNYGWAFYTAWVSFTCCMVS
 AVTTFNTYTRMVLEFKCRHGTSFNTNPSCRAQHRCFLPPLTCAVHAGEPSTSCHQHPSPHRSVSESID
 LYSAAALQDKKFQQENSQELKEATESSVEEQC

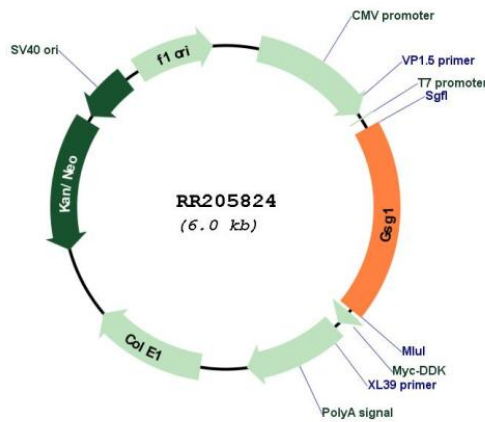
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001013166

ORF Size:	1146 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_001013166.1 , NP_001013184.2
RefSeq Size:	1374 bp
RefSeq ORF:	1149 bp
Locus ID:	312793
UniProt ID:	Q6AYL2
Cytogenetics:	4q43
MW:	42.3 kDa
Gene Summary:	May cause the redistribution of PAPOLB from the cytosol to the endoplasmic reticulum. [UniProtKB/Swiss-Prot Function]