

Product datasheet for **RN205824**

Gsg1 (NM_001013166) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gsg1 (NM_001013166) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gsg1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN205824 representing NM_001013166 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAGCGACTCCTGTGCTGACTCAAAATGTTTGTCTCACCCAGGAGATGGAGTCCAGAAGGGTCCCT
CTGACCAGCGGACCTTCGTTTCTGCCATCCTCAACATGCTATCACTCGGCCTCTCCACAGCATCCCTGCT
CAGCAGCGAGTGGTTTGTGGGGGCAGAAAGTGCCCAAGCCCTGTGCGGGCAAAGTCTGGCAGCCAAG
TGCTTTGACATGCCGATGTCCTTGGATGGGGGCATCACCAACGCATCAGCCCAGGAGGTGGTACAATACA
CCTGGGAGGCTGGGGATGACCGCTTCTCCTTCTTACCTTCCGCAGTGGCATGTGGCTATCCTGTGAGGA
AACCGTGAAGAGCCAGGGGAGAAGTGCCGACGTTTCATTGAACTCACACCACCAGCCAGAGAGGTGAG
AAAGGACTACTGGAATTTGCCACGTTGCAAGGCTCATGTACCCCACTCTCCGATTTGGAGGGGAGTGCC
TAATGGAGATGGCTTCTCCTCTACCTCCCTGGGGCCCTTGGCAAAGGTCTCTGGCTGTGCTGGG
AGCACAACTGCCTATATCGGACTTCAATTCATCAGCTTCTCCTGCTACTGACAGATCTGCTGCTCACC
AGCAACCCTGGCTGTGGGCTCAAGCTAAGCGCTTTTGCAGCAGTCTCCTTGGTCTGTGAGGCTGTGG
GGATGGTAGCTCATATGCTATATTTGCAAGTCTTCCAGGCAACTGCCAATTGGGTCCGGAGGACTGGAG
ACCACACTCTTGAATTATGGCTGGGCTTCTACACGGCCTGGGTTTCTTACCTGCTGTATGGTATCA
GCAGTCCACCCTTCAACACCTACACCAGGATGGTGTGGAGTTCAAGTGTAGGCACGGTACAAGTTTTA
ACACCAACCCAGTTGCCGGGCACAGCACCACCGCTGTTTCTTCTCCTCCGTTGACCTGCGCAGTCCACGC
AGGGGAACCTTCGACCAGTTGCCATCAGCACCCAGCCATCCCATCCGCTCTGTCTCCGAAAGTATAGAC
CTCTACTCGGCCCGCGCTACAGGACAAGAAGTTTCAACAAGAAAACAGCCAGGAGCTAAAGGAAGCGA
CCGAGTCATCTGTAGAAGAGCAGTGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001013166



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Insert Size:	1149 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_001013166.1</u> , <u>NP_001013184.2</u>
RefSeq Size:	1374 bp
RefSeq ORF:	1149 bp
Locus ID:	312793
UniProt ID:	<u>Q6AYL2</u>
Cytogenetics:	4q43
Gene Summary:	May cause the redistribution of PAPOLB from the cytosol to the endoplasmic reticulum. [UniProtKB/Swiss-Prot Function]