

Product datasheet for **MC227296**

Gsg1 (NM_010352) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gsg1 (NM_010352) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gsg1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227296 representing NM_010352
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGTTCAGAAGGGTTCCTCTGACCAGCGGACCTTCATTTCTGCCATCCTCAACATGTTATCACTCG
GCCTCTCCACAGCATCCTTGCTCAGCAGCGAGTGGTTTGTGGGCACACAGAAGGTGCCAAGCCCTGTG
CGGGCAAAGTCTGGCAGCCAAGTCTTTGACATGCCGATGTCCTTGGATGGGGGCATCGCCAACACATCA
GCCAGGAGGTGGTACAATACACCTGGGAGACTGGGGATGACCGTTCTCCTTCCCTTGCCTCCGCAAGT
GCATGTGGCTATCCTGTGAGAAACCATGGAAGAGCCAGGGGAGAAGTGCAGACGTTTCATTGAACTCAC
ACCACCAGCCCAGAGAGGTGAGAAAGGACTACTGGAATTTGCCACGTTGCAAGGCTCATGTACCCCACT
CTCCGATTTGGAGGGGAGTGGTTAATGGAGAAGGCTTCTCTCCTCCACCTCCCTTGGGGGCCGTTGGCAA
AGGTCTTTTGGCTGTCACTGGGAGCCAGACTGCCTATATCGGACTTCAACTCATCAGCTTCTCCTGCT
ACTGACGGATCTGTTGCTCACCACGAACCCTGGCTGTGGGCTCAAGCTAAGCGGCTTGCAGCCGCTCCT
TTGGTCTGTGAGGACTTCTGGGATGGTGGCTCATATGCTATATCACAAAGTCTCCAGGCAACTGCCA
ACTTAGTCCGGAGGACTGGAGACCACACTCTTGAATTACGGCTGGGCCTTCTACACAGCGTGGGTTTC
CTTCACCTGCTGCATGGGTCAGCGGTACCACCTTCAACATGTACACGAGGATGGTGTGGAGTTCAAG
TGACGGACAGCAAGAGCTTTAACCAACCCAGCTGCCTGGCGCAGCACCACCCTGTTTCCTTCCCTC
CTCCGCTGACGTGCACAACCCACGCAGGGGAACCTTTGTCCAGCTGCCATCAGTACCCAGCCATCCCAT
CCGCTCTGTCTCTGAAGCTATTGACCTCTACTCGGCGCTACAGGACAAAGAATTTCAACAAGGGATCAGC
CAGGAGCTAAAGGAAGTGGTCGAGCCATCTGTAGAAGAGCAGCGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_010352
Insert Size: 1098 bp



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| 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). |
| OTI Annotation: | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag. |
| 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_010352.2</u> , <u>NP_034482.2</u> |
| RefSeq Size: | 1448 bp |
| RefSeq ORF: | 1098 bp |
| Locus ID: | 14840 |
| UniProt ID: | <u>Q8R1W2</u> |
| Cytogenetics: | 6 66.07 cM |
| Gene Summary: | May cause the redistribution of PAPOLB from the cytosol to the endoplasmic reticulum. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) contains a distinct 5' UTR and lacks an in-frame portion of the 5' coding region, compared to variant 1. The resulting isoform (b) has a shorter N-terminus, compared to isoform a. Variants 2 and 3 encode the same isoform. |