

Product datasheet for **SC122997**

GSG1 (NM_031289) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GSG1 (NM_031289) Human Untagged Clone
Tag:	Tag Free
Symbol:	GSG1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for NM_031289 edited</p> <pre> CAAGAATATGAGATAGAAGGGGAGGGGTAGGAGGAGAGGGAGGGGTAGGAAGACAGTT TGCATTCTTGCAACATTAACCAAGGGACTTGGAGTGCAGATGGCATCCTTCGGTCTCT CCAGACAAGCTGCAAGACGCTGACCATGGCCAAGATGGAGCTCTCGAAGGCCTTCTCTGG CCAGCGGACACTCCTATCTGCCATCCTCAGCATGCTATCACTCAGCTTCTCCACAACATC CCTGCTCAGCAACTACTGGTTTGTGGGCACACAGAAGGTGCCAAGCCCTGTGCGAGAA AGGTCTGGCAGCCAAGTCTTTGACATGCCAGTGTCCCTGGATGGAGATACCAACACATC CACCCAGGAGGTGGTACAATACTGAGACTGGGGATGACCGGTTCTCCTCCGGAG CTTCCGGAGTGGCATGTGGCTATCCTGTGAGGAACTGTGGAAGAACCAGGGGAGAGGTG CCGAAGTTTCATTGAACTTACACCACCAGCCAAGAGAGGTGAGAAAGACTACTGGAATT TGCCACGTTGCAAGGCCATGTACCCCACTCTCCGATTTGGAGGGAAGCGGTTGATGGA GAAGGCTTCCCTCCCTCCCTCCCTTGGGGCTTTGTGGCAAAAATCCTATGGTTATCCC TGGGAACGCAGATCACCTACATCGGACTTCAATTCATCAGCTTCTCCTGCTACTAACAG ACTTGCTACTCACTGGGAACCCTGCCTGTGGGCTCAAACCTGAGCGCCTTTGCTGTGTTT CCTCTGCTCCTGTGAGGTCTCCTGGGGATGGTGGCCACATGATGTATTCACAAGTCTTCC AAGCGACTGTCAACTTGGGTCCAGAAGACTGGAGACCACATGTTTGAATTATGGCTGGG CCTTCTACATGGCCTGGCTCTCCTTACCTGCTGCATGGCGTGGCTGTCAACACCTTCA ACACGTACACCAGGATGGTGTGGAGTTCAAGTCAAGCATAGTAAGAGCTTCAAGGAAA ACCCGAAGTGCCTACCACATCACCATCAGTGTTCCTCGCGGCTGTCAAGTGCAGCCC CCACCGTGGGTCCTTTGACCAGCTACCACAGTATCATAATCAGCCCATCCACTCTGTCT CTGAGGGAGTTCGACTTCTACTCCGAGCTGCGGAACAAGGGATTTCAAAGGGGGCCAGCC AGGAGCTGAAAGAAGCAGTTAGGTCTGTAGAGGAAGAGCAGTGTAGGAGTTAAGCG GGTTTGGGGAGTAGGCTTGAGCCCTACCTTACACGTCTGCTGATTATCAACATGTGCTTA AGCCAAAAAAAAAAAAAAAAAAAAA </pre>



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_031289 unedited GAACGTCAAATTTTGTATACGACTCATATAGGGCGGCCGCGATTCCGGCACGAGGCAAAGA ATATGAGATAGAAGGGGAGGGGTAGGAGGAGAGGGAGGAGGGTAGGAAGACAGTTTGCAT TCTTGCAACATTAACCAAAGGGACTTGGAGTGCAGATGGCATCCTTCGGTTCTTCCAGA CAAGCTGCAAGACGCTGACCATGGCCAAGATGGAGCTCTCGAAGGCCTTCTTGCCAGC GGACACTCCTATCTGCCATCCTCAGCATGCTATCACTCAGCTTCTCCACAACATCCCTGC TCAGCAACTACTGGTTTGTGGGCACACAGAAGGTGCCCAAGCCCCTGTGCGAGAAAGGTC TGGCAGCCAAGTGCTTTGACATGCCAGTGTCCCTGGATGGAGATACCAACACATCCACCC AGGAGGTGGTACAATACTAAGTGGGAGACTGGGGATGACCGTTCTCCTTCCGGAGCTTCC GGAGTGGCATGTGGCTATCCTGTGAGGAACTGTGGAAGAACCAGGGGAGAGGTGCCGAA GTTTCATTGAACTTACACCACCAGCCAAGAGAGGTGAGAAAGGACTACTGGAATTTGCCA CGTTGCAAGGCCCATGTCAACCCACTCTCCGATTTGGAGGGAAGCGGTTGATGGAGAAGG CTTCCCTCCCCTCCCCTCCCTTGGGGCTTGTGGCAAAAATCCTATGTTATCCCTGGGA ACGCAGATCACCTACATCGGACTTCAATTCATCAGCTTCTCCTGCTACTAACAGACTTG CTACTACTGGGAACCTGCCTGTGGGCTCAAACCTGAGCGCCCTTGCTGCTGTTTCTCT GTTCTGTCAAGTCTCCTGGGGATGGTGGCCACATGATGATTCCAAG
Restriction Sites:	Please inquire
ACCN:	NM_031289
Insert Size:	1342 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_031289.1</u> , <u>NP_112579.1</u>
RefSeq Size:	1342 bp
RefSeq ORF:	849 bp
Locus ID:	83445
UniProt ID:	<u>Q2KHT4</u>
Cytogenetics:	12p13.1
Protein Families:	Transmembrane

Gene Summary:

May cause the redistribution of PAPOLB from the cytosol to the endoplasmic reticulum.
[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.