

## Product datasheet for **RC232522**

### **GSG1 (NM\_001206842) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GSG1 (NM_001206842) Human 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:	>RC232522 representing NM_001206842 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAGCGATCCCTCTCAACTGACTCAAATGTTTGCCTCACCCAGGAGATGGAGCTCTCGAAGGCCCTTCT  
CTGGCCAGCGGACACTCCTATCTGCCATCCTCAGCATGCTATCACTCAGCTTCTCCACAACATCCCTGCT  
CAGCAACTACTGGTTTGTGGGCACACAGAAGTGCCCAAGCCCTGTGCGAGAAAGGTCTGGCAGCCAAG  
TGCTTTGACATGCCAGTGTCCCTGGATGGAGATACCAACACATCCACCCAGGAGGTGGTACAATACTCAACT  
GGGAGACTGGGGATGACCGGTTCTCCTTCCGGAGCTTCCGGAGTGGCATGTGGCTATCCTGTGAGGAAAC  
TGTGGAAGAACCAGGGGAGAGGTGCCGAAGTTTCATTGAACTTACACCACCAGCCAAGAGAGAAATCCTA  
TGGTTATCCCTGGGAACGCAGATCACCTACATCGGACTTCAATTCATCAGCTTCTCCTGCTACTAACAG  
ACTTGCTACTCACTGGGAACCTGCCTGTGGGCTCAAAGTACAGCGCCTTTGCTGCTGTTTCTCTGTCTCT  
GTCAGGCTCCTGGGGATGGTGGCCACATGATGTATTACAAGTCTTCCAAGCGACTGTCAACTGGGT  
CCAGAAGACTGGAGACCACATGTTTGAATTATGGCTGGGCTTCTACATGGCCTGGCTCTCCTTACCT  
GCTGCATGGCGTGGCTGTCAACACCTTCAACACGTACACCAGGATGGTGTGGAGTTCAAGTGAAGCA  
TAGTAAGAGCTTCAAGGAAAACCCGAAGTGCCTACCACATCAACATCAGTGTTCCTCGGCGGCTGTCA  
AGTGCAGCCCCACCGTGGGTCCTTTGACCAGCTACCACAGTATCATAATCAGCCCATCCACTCTGTCT  
CTGAGGGAGTTCGACTTCTACTCCGAGCTGCGGAACAAGGGATTTCAAAGAGGGGCCAGCCAGGAGCTGAA  
AGAAGCAGTTAGGTCATCTGTAGAGGAAGAGCAGTGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>ORF Size:</b>	1017 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001206842.3</a>
<b>RefSeq Size:</b>	2568 bp
<b>RefSeq ORF:</b>	1020 bp
<b>Locus ID:</b>	83445
<b>UniProt ID:</b>	<a href="#">Q2KHT4</a>
<b>Cytogenetics:</b>	12p13.1
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	38.6 kDa
<b>Gene Summary:</b>	May cause the redistribution of PAPOLB from the cytosol to the endoplasmic reticulum. [UniProtKB/Swiss-Prot Function]