

Product datasheet for SC317414

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317414 representing NM_031289. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCAAGATGGAGCTCTCGAAGGCCTTCTCTGGCCAGCGGACACTCCTATCTGCCATCCTCAGCATG
CTATCACTCAGCTTCTCCACAACATCCCTGCTCAGCAACTACTGGTTTGTGGGCACACAGAAGGTGCC
AAGCCCTGTGCGAGAAAGGTCTGGCAGCCAAGTGCTTTGACATGCCAGTGTCCCTGGATGGAGATACC
AACACATCCACCAGGAGGTGGTACAATAACAACGGGAGACTGGGGATGACCGTTCTCCTCCGGAGC
TTCCGGAGTGGCATGTGGCTATCCTGTGAGGAACTGTGAAGAACCAGGGGAGAGGTGCCGAAGTTTC
ATTGAACATTACACCACCAGCCAAGAGAGGTGAGAAAGGACTACTGGAATTTGCCACGTTGCAAGGCCCA
TGTCACCCCACTCTCCGATTTGGAGGGAAGCGGTTGATGGAGAAGGCTTCCCTCCCTCCCTCCCTTG
GGGCTTTGTGGCAAAAATCCTATGGTTATCCCTGGGAACGCAGATCACCTACATCGGACTTCAATTCAT
CAGCTTCTCCTGCTACTAACAGACTTGCTACTACTGGGAACCCTGCCTGTGGGCTCAAAGTGGGCGC
CTTTGCTGCTGTTTCTCTGTCTGTCCAGGTCTCCTGGGGATGGTGGCCACATGATGATTACAAGT
CTTCCAAGCGACTGTCAACTGGGTCCAGAAGACTGGAGACCACATGTTTGAATTATGGCTGGGCCTT
CTACATGGCCTGGCTCTCCTTCACTGCTGCATGGCGTCGGCTGTACCACCTTCAACACGTACACCAG
GATGGTGTGGAGTTCAAGTCAAGCATAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-Mlul
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_031289
Insert Size:	858 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_031289.3
RefSeq Size:	2668 bp
RefSeq ORF:	858 bp
Locus ID:	83445
UniProt ID:	Q2KHT4
Cytogenetics:	12p13.1
Protein Families:	Transmembrane
MW:	31.4 kDa
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.