

Product datasheet for SC301133

GOSR1 (NM_001007024) Human Untagged Clone

Product data:

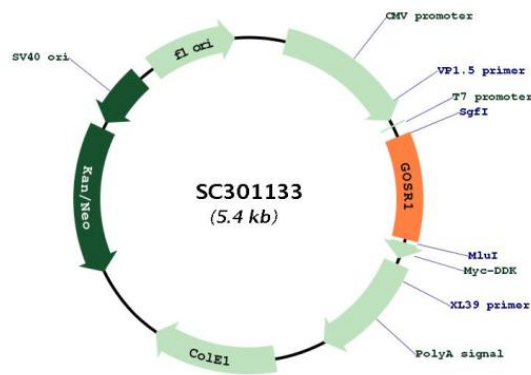
Product Type:	Expression Plasmids
Product Name:	GOSR1 (NM_001007024) Human Untagged Clone
Tag:	Tag Free
Symbol:	GOSR1
Synonyms:	GOLIM2; GOS-28; GOS28; GOS28/P28; GS28; P28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301133 representing NM_001007024. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTTGAGACAATGGCGATTGAGATTGAACAACCTTTGGCAAGGCTTACAGGGTAAATGATAAAATG
GCAGAATATACCAACAGTGCAGGTGTCCCTCCTTGAATGCAGCCCTGATGCATACATTACAGCGGCAT
AGAGACATATTGCAGGATTATACACATGAATCCATAAAACCAAAGCAAACCTTTATGGCAATACGGGAA
AGGGAGAATCTTATGGGATCAGTACGAAAAGATATTGAGTCATATAAAAGTGGTCTGGAGTAAACAAC
AGAAGAAGTGAAGTATTTTAAAGAACATGACCACCTTCGAAACTCAGATCGTCTGATAGAAGAGACA
ATAAGCATTGCTATGGCAACAAAAGAAAATATGACTTCACAGAGAGGAATGTTGAAGTCAATTCACAGC
AAAATGAACACTTTGGCCAATCGTTTTCTGCTGTAAACAGCCTGATCCAGAGGATCAACCTGAGGAAG
CGGCGGGACTCGCTCATCTAGGGGGTGTATTGGGATCTGTACCATCCTGTTGCTGCTGTATGCGTTT
CATTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001007024

Insert Size: 558 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).

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:

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_001007024.1
RefSeq Size:	5246 bp
RefSeq ORF:	558 bp
Locus ID:	9527
UniProt ID:	O95249
Cytogenetics:	17q11.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	SNARE interactions in vesicular transport
MW:	21.2 kDa
Gene Summary:	<p>This gene encodes a trafficking membrane protein which transports proteins among the endoplasmic reticulum and the Golgi and between Golgi compartments. This protein is considered an essential component of the Golgi SNAP receptor (SNARE) complex. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) has an additional segment in one exon and lacks a small segment in another exon in the 5' region, as compared to variant 1. It uses a downstream AUG start codon, and the encoded isoform 3 thus has a shorter N-terminus, as compared to isoform 1.</p>