

Product datasheet for **RG205913**

GOSR1 (NM_001007025) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GOSR1 (NM_001007025) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: GOSR1
Synonyms: GOLIM2; GOS-28; GOS28; GOS28/P28; GS28; P28
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG205913 representing NM_001007025
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCAGGGACCAGCAGTTACTGGGAAGATCTCAGGAAACAGGCTCGACAGCTGGAAAATGAACTTG
ACCTGAAACTAGTTTCCTTCAGCAAATATGTACAAGTTACAGTCATAGCAGTACCCGAGATGGAAGACG
CGACAGGTATAGTTCTGATACAACACCCCTTTAAATGGATCAAGCCAAGACAGAATGTTTGAGACAATG
GCGATTGAGATTGAACAACCTTTGGCAAGGCTTACAGGGTAAATGATAAAATGGCAGAATATACCAACA
GTGCAGGTGTCCCTCCTGAATGCAGCCCTGATGCATACATTACAGCGCATAGAGACATATTGCAGGA
TTATACACATGAATTCCATAAAACCAAAGCAAACCTTTATGGCAATACGGGAAAGGAGAATCTTATGGGA
TCAGTACGAAAAGATATTGAGTCATATAAAAGTGGTCTGGAGTAAACAACAGAAGAACTGAGCTATTTT
TGAAAGAACATGACCACCTTCGAAACTCAGATCGTCTGATAGAAGAGACAATAAGCATTGCTATGGCAAC
AAAAGAAAATATGACTTCACAGAGAGGAATGTTGAAGTCAATTCACAGCAAAATGAACACTTTGGCCAAT
CGTTTTCTGCTGTAACAGCCTGATCCAGAGGATCAACTGAGGAAGCGGCGGGACTCGCTCATCTAG
GGGTGTTATTGGGATCTGTACCATCTGTTGCTGCTGTATGCGTTCCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG205913 representing NM_001007025
 Red=Cloning site Green=Tags(s)

MAAGTSSYWEDLRKQARQLENELDLKLVSFSLKCTSYSHSSTRDGRRDRYSSDTPLLNGSSQDRMFETM
 AIEIEQLLARLTGVNDKMAEYTNAGVPSLNAALMHTLQRHRDILQDYTHEFHKTANFMAIRERENLMG
 SVRKDIESYKSGSGVNNRRTFLKEHDHLRNSDRLIEETISIAMATKENMTSQRGMLKSIHMKMNTLAN
 RFPVNSLIQRINLRKRRDSLILGGVIGICTILLLLLYAFH

TRTRPLE - GFP Tag - V

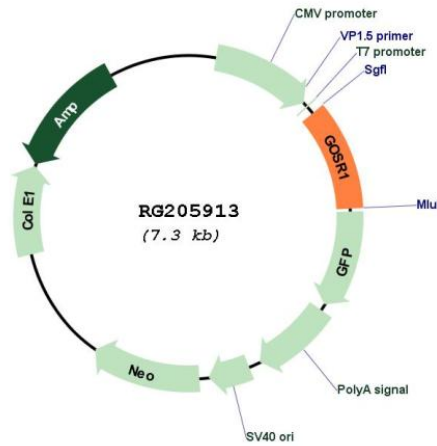
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001007025

ORF Size: 744 bp

OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001007025.1 , NP_001007026.1
RefSeq Size:	5224 bp
RefSeq ORF:	747 bp
Locus ID:	9527
UniProt ID:	O95249
Cytogenetics:	17q11.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	SNARE interactions in vesicular transport
Gene Summary:	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]