

Product datasheet for RC205913

GOSR1 (NM_001007025) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | GOSR1 (NM_001007025) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| 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) |
| ORF Nucleotide Sequence: | >RC205913 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCAGGGACCAGCAGTTACTGGGAAGATCTCAGGAAACAGGCTCGACAGCTGGAAAATGAACTTG
ACCTGAAACTAGTTTCCTTCAGCAAATATGTACAAGTTACAGTCATAGCAGTACCCGAGATGGAAGACG
CGACAGGTATAGTTCTGATACAACACCCCTTTAAATGGATCAAGCCAAGACAGAATGTTTGAGACAATG
GCGATTGAGATTGAACAACCTTTGGCAAGGCTTACAGGGTAAATGATAAAATGGCAGAATATACCAACA
GTGCAGGTGTCCCTCCTTGAATGCAGCCCTGATGCATACATTACAGCGCATAGAGACATATTGCAGGA
TTATACACATGAATTCCATAAAACCAAAGCAAACCTTTATGGCAATACGGGAAAGGAGAACTTTATGGGA
TCAGTACGAAAAGATATTGAGTCATATAAAAGTGGTCTGGAGTAAACAACAGAAGAACTGAGCTATTTT
TGAAAGAACATGACCACCTTCGAAACTCAGATCGTCTGATAGAAGAGACAATAAGCATTGCTATGGCAAC
AAAAGAAAATATGACTTCACAGAGAGGAATGTTGAAGTCAATTCACAGCAAAATGAACACTTTGGCCAAT
CGTTTTCTGCTGTAACAGCCTGATCCAGAGGATCAACTGAGGAAGCGGCGGGACTCGCTCATCTAG
GGGTGTTATTGGGATCTGTACCATCCTGTTGCTGCTGTATGCGTTCCAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC205913 protein sequence
 Red=Cloning site Green=Tags(s)

MAAGTSSYWEDLRKQARQLENELDKLVSFSLKCTSYSHSSTRDGRDRYSSDTPLLNGSSQDRMFETM
 AIEIEQLLARLTGVNDKMAEYTNAGVPSLNAALMHTLQRHRDILQDYTHEFHKTKANFMAIRERENLMG
 SVRKDIESYKSGSGVNNRRTFLKEHDHLRNSDRLIEETISIAMATKENMTSQRGMLKSIHSMNTLAN
 RFPVNSLIQRINLRKRRDLSLILGGVIGICTILLLLLYAFH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6547_e02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001007025

ORF Size: 750 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:

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

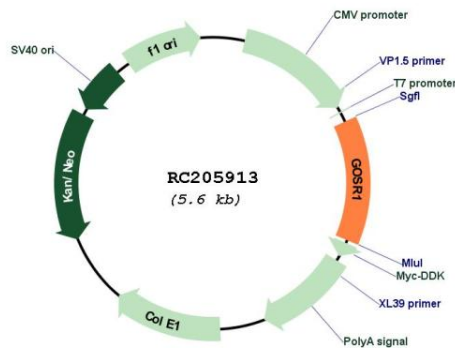
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: SNARE interactions in vesicular transport

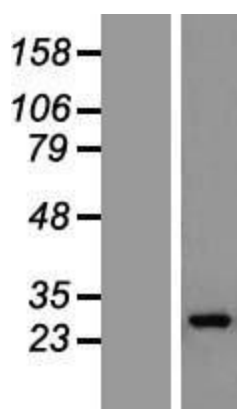
MW: 28.6 kDa

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]

Product images:



Circular map for RC205913



Western blot validation of overexpression lysate (Cat# [LY423567]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205913 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).