

Product datasheet for **RC214898**

GOSR1 (NM_004871) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GOSR1 (NM_004871) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: GOSR1
Synonyms: GOLIM2; GOS-28; GOS28; GOS28/P28; GS28; P28
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC214898 representing NM_004871
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGCAGGGACCAGCAGTTACTGGGAAGATCTCAGGAAACAGGCTCGACAGCTGGAAAATGAACTTG
ACCTGAAACTAGTTTCCTTCAGCAAATATGTACAAGTTACAGTCATAGCAGTACCCGAGATGGAAGACG
CGACAGGTATAGTTCTGATACAACACCCCTTTAAATGGATCAAGCCAAGACAGAATGTTTGAGACAATG
GCGATTGAGATTGAACAACCTTTGGCAAGGCTTACAGGGGTAATGATAAAATGGCAGAATATACCAACA
GTGCAGGTGTCCCTCCTTGAATGCAGCCCTGATGCATACATTACAGCGGCATAGAGACATATTGCAGGA
TTATACACATGAATCCATAAAACCAAAGCAAACCTTTATGGCAATACGGGAAAGGGAGAATCTTATGGGA
TCAGTACGAAAAGATATTGAGTCATATAAAAGTGGGTCTGGAGTAAACAACAGAAGAAGCTGAGCTATTTT
TGAAAGAACATGACCACCTTCGAACTCAGATCGTCTGATAGAAGAGACAATAAGCATTGCTATGGCAAC
AAAAGAAAATGACTTCACAGAGAGGAATGTTGAAGTCAATTCACAGCAAAATGAACACTTTGGCCAAT
CGTTTTCTGCTGTAACAGCCTGATCCAGAGGATCAACCTGAGGAAGCGCGGGACTCGCTCATCCTAG
GGGTGTTATTGGGATCTGTACCATCCTGTTGCTGCTGTATGCGTTCCAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC214898 representing NM_004871
Red=Cloning site Green=Tags(s)

MAAGTSSYWEDLRKQARQLENELDLKLVSFSLKCTSYSHSSTRDGRDRYSSDTPLLNGSSQDRMFETM
 AIEIEQLLARLTGVNDKMAEYTNAGVPSLNAALMHTLQRHRDILQDYTHEFHKTKANFMAIRERENLMG
 SVRKDIESYKSGSGVNNRRTFLKEHDHLRNSDRLIEETISIAMATKENMTSQRGMLKSIHSMNTLAN
 RFPVNSLIQRINLRKRRDSLILGGVIGICTILLLLLYAFH

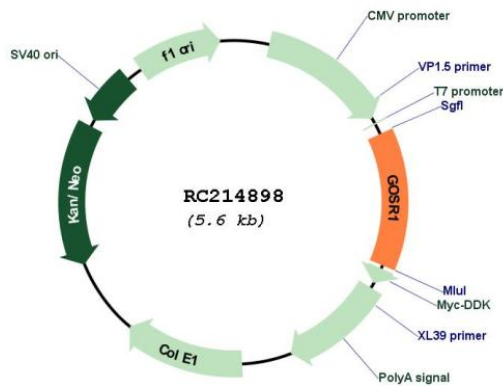
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_004871
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:	<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_004871.3
RefSeq Size:	5230 bp
RefSeq ORF:	753 bp
Locus ID:	9527
UniProt ID:	O95249
Cytogenetics:	17q11.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	SNARE interactions in vesicular transport
MW:	28.4 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]