

Product datasheet for **RC206064**

Golgin 97 (GOLGA1) (NM_002077) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Golgin 97 (GOLGA1) (NM_002077) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Golgin 97
Synonyms:	golgin-97
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC206064 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

 ATGTTTGCAAACTGAAGAAGAAAATTGCAGAAGAGACTGCTGTTGCTCAGAGGCCAGGAGGTGCTACTA
GGATCCACGGTCTGTGAGCAAGGAATCAGTTGCCTCAATGGGAGCTGACTCAGGAGATGACTTTGCTTC
CGATGGAAGCAGCTCCAGAGAAGATCTTTCATCCAGCTTCTGAGAAGGAATGAACAGATACGGAAGTTA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >RC206064 protein sequence
 Red=Cloning site Green=Tags(s)

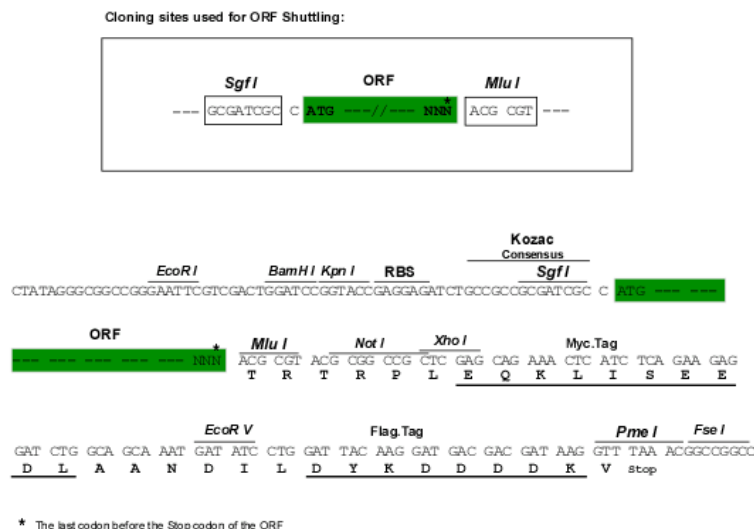
MF AKLKKKIAEETAVAQRPGGATRIPRSVSKESVASMGADSGDDFASDGSSSREDLSSQLLRNEQIRKL
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 AVVAEQEDLLRLRGLQAEALSVNESHVTSRAMQDPVFQLPTAGRTPNGEVGAMDLTQLQKEKQDLEQQL
 LEKNKTIKQMQRMLELRKTLQKELKIRPDNELFEVREKPGPEMANMAPSVTNTDLTDAREINFEYLLKH
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6236_h08.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_002077

ORF Size: 2301 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_002077.4](#)

RefSeq Size: 4899 bp

RefSeq ORF: 2304 bp

Locus ID: 2800

UniProt ID: [Q92805](#)

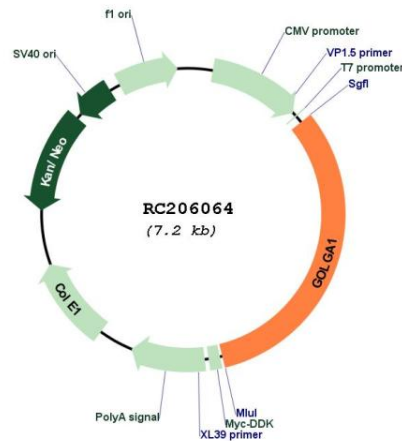
Cytogenetics: 9q33.3

Domains: GRIP

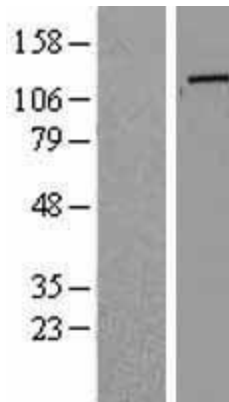
MW: 88.2 kDa

Gene Summary:

The Golgi apparatus, which participates in glycosylation and transport of proteins and lipids in the secretory pathway, consists of a series of stacked cisternae (flattened membrane sacs). Interactions between the Golgi and microtubules are thought to be important for the reorganization of the Golgi after it fragments during mitosis. This gene encodes one of the golgins, a family of proteins localized to the Golgi. This encoded protein is associated with Sjogren's syndrome. [provided by RefSeq, Feb 2010]

Product images:


Circular map for RC206064



Western blot validation of overexpression lysate (Cat# [LY419555]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206064 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).