

## Product datasheet for **RR211874**

### Golga7 (NM\_001007731) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Golga7 (NM\_001007731) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Golga7  
**Synonyms:** MGC93825  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RR211874 representing NM\_001007731  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGGCCGAGCAGGCGCCGGTGTCCGGGAAGGTCTTCATTACGCGAGACTACAGCAGTGGCACCCGCT  
 GCCAGTTCAGACCAAGTTCCCCGCGGAGCTGGAGAAGGGTTGATAGACAGCAGTTTGAAGAAACAGT  
 TCGAACTCTAAATAACCTTTACGCAGAAGCGGAGAAGCTTGGGGCCAGTCATATCTTGAAGGCTGTCTG  
 GCCTGTTTAACAGCATACACCATCTTCTTATGCATGGAGACTCATTACGAGAAGGTCTTGAAGAAAGTCT  
 CCAAATATATTCAAGAACAGAATGAGAAGATATATGCTCCCAAGGCCTCCTCTAACAGACCCCATTTGA  
 GAGAGGACTTCGAGTTATTGAAATCACCATCTATGAAGACAGAGGTGTGAGCAGTGGGAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR211874 representing NM\_001007731  
 Red=Cloning site Green=Tags(s)

MRPQQAPVSGKVFIQRDYSSGTRCQFQTKFPAELENRVDRQQFEETVRTLNLYAEAEKLGGSYLEGCL  
 ACLTAYTIFLCMETHYEKVLKKVSKYIQEQNEKIYAPQGLLLTDPIERGLRVIEITIIYEDRGVSSGR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI


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### Cloning Scheme:



ACCN: NM 001007731

ORF Size: 411 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\\_001007731.1](#), [NP\\_001007732.1](#)

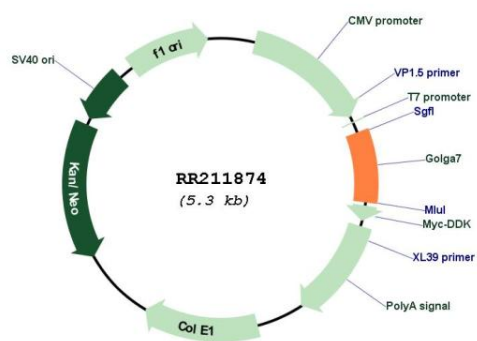
RefSeq Size: 2012 bp

RefSeq ORF: 414 bp

Locus ID: 361171

UniProt ID:	<u>Q6AYQ1</u>
Cytogenetics:	16q12.5
MW:	15.8 kDa
Gene Summary:	May be involved in protein transport from Golgi to cell surface. The ZDHHC9-GOLGA7 complex is a palmitoyltransferase specific for HRAS and NRAS (By similarity). [UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RR211874