

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
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211874 representing NM_001007731
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGGCCGAGCAGGCGCCGGTGTCCGGGAAGGTCTTCATTACGCGAGACTACAGCAGTGGCACCCT
GCCAGTTCAGACCAAGTTCCTCCGCGGAGCTGGAGAACAGGGTTGATAGACAGCAGTTTGAAGAACAGT
TCGAACCTAAATAACCTTTACGCAGAAGCGGAGAAGCTTGGGGCCAGTCATATCTTGAAGGCTGTCTG
GCCTGTTTAAACAGCATAACCATCTTCTTATGCATGGAGACTCATTACGAGAAGGCTTTGAAGAAAGTCT
CCAAATATATTCAGAACAGAATGAGAAGATATATGCTCCCAAGGCCTCCTCCTAACAGACCCCATTTGA
GAGAGGACTTCGAGTTATTGAAATCACCATCTATGAAGACAGAGGTGTGAGCAGTGGGAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR211874 representing NM_001007731
Red=Cloning site Green=Tags(s)

MRPQQAPVSGKVFIQRDYSSGTRCQFQTKFPAELENRVDRQQFEETVRTLNNLYAEAEKLGQSYLEGCL
ACL TAYTIFLCMETHYEKVLKVKVSKYIQEQNEKIYAPQGLLLTDPIERGLRVIEITIIYEDRGVSSGR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

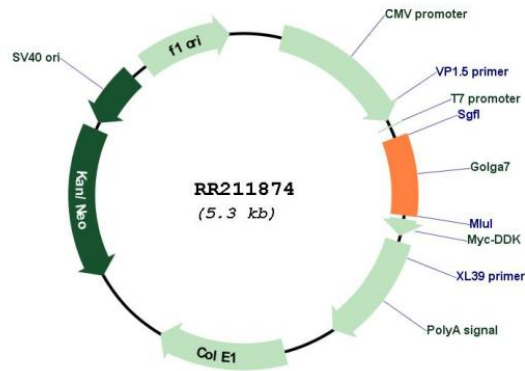


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Cloning Scheme:



Plasmid Map:



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:	<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:	<u>NM_001007731.1</u> , <u>NP_001007732.1</u>
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]