

Product datasheet for **RC226519**

GOLGA6L6 (NM_001145004) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | GOLGA6L6 (NM_001145004) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | GOLGA6L6 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>RC226519 ORF sequence, **codon optimized**.
 Due to the complexity of NM_001145004, the ORF clone is codon optimized for mammalian Expression.
 The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

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

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGATGTGGCCTCAGCCACATCTGCCTACGCACCCACATCTTCCACGCACCCCCACCTGCCGACAC
 ATCCCCACCTTCTACTCACCCCATCTTCCACACACCCCATTTGCCAACTCACCTCATCTGCCAC
 CCACCCTATGATGAGCAAAGAGACACGACAGGCAAACCTGGCTGAAGCAAAGGAGCAGTTGACGGACCAC
 CATCCTCAGACCAATCCAAGTGTGGCAGGCCGCGTCTGATACTAAAAAAAAAAAAATTAACAACGGGA
 CCAACCCGGAGACAACACCAGTGGTGTGTACAGCCAGAGGACGAGCAGAAAGCCTCCCATCAGCA
 CCAAGAAGCCTTGCAGCCGGAACCTGGAGGCTCAGGTGCATACCATCAGAATACTCACATGTCAGAAAACC
 GAGTTGCAGATGGCCCTTATTACTCACAGCACGCTGTGAAGCAATTGGAGGGGGAAGCAGCGACCTTA
 TTTACGGCTGCATGATAGTTGGAAGTTCGCTGGAGAGCTTGAACAGGCCCTTTCAGCTGTTGCTACTCA
 GAAGAAAAAGCAGATCGCTACATCGAAGAAGTGAACAAGGAGAGGGATGCTCTTTCTTTGGAGCTTAC
 CGAAACACCATTAAGTGTGAGAACTTAAGGAGAAGAACGCAAACTCCAGGAGAACTGCAGCTGGTTG
 AAAGCGAGAAATCTGAGATCCAGCTCAATGTGAAGGAGCTCAAGCGAAACTGGAGAGAGCTAAGCTGCT
 GCTTCCACAACAGCAACTCCAGGCCGAGGCGGATCACCTGGTAAGGAGCTCCAGATGTTAGTGTAAA
 CTGCAGGCACAAGTGGAAAGAGAATGAGCTGTGGAATAGATTGAATCAGCAACAGGAGGAAAAAATGTGGA
 GACAGGAAGAAAAGATCCAGGAATGGGAAGAGAAGATACAAGAACAGGAGGAAAAAATCCGGGAGCAGGA
 AGAGAAAAACGCGAGCAGGAAGAGAAGATGCGACGACAGGAGGAGATGATGTGGGAGAAGGAGGAGAAA
 ATGCGCCGCCAAGAGGAAATGATGTGGGAGAAGGAAGAGAAGATGAGGAGGCAGGAGGAGATGATGTGGG
 AGAAGGAGGAAAAGATGCGACGCCAAGAGGAAATGATGTGGGAGAAGAGGAAAAGATCCGGAACTTGA
 AGAGAAGATGCATGAACAGGAAAAGATAAGGGAGCAGGAGGAAAAGCGGCAGGAAGAAGAAAAGATTAGG
 GAACAAGAGAAAACGCGAGAACAGGAGGCCAAAATGTGGCGCCAAGAAGAGAAGATACGAGAACAGGAAG
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 AGAGGAAGAAAAGAGGCAGGAACAGGAGGAAATGTGGCGCAGGAGGAGAAGATCCATGAACAGGAAGAA
 ATCTGGCGACAGAAAGAGAAGATGCATGAGCAGGAAGAAAAGATCAGGAAACAGGAGGAAAAAAGTGTGGA
 GGCAAGAAGAAAAGATCCCGCAACAGGAAGAGAAAATAAGAGAGCAAGAGGAGAAGATGTGGAGACAAGA
 GGAGAAGATCCGGGAACAGAGGAAATGTGGCGAGAGGAGGAGAAGATGCATGAGCAAGAGAAGATCTGG
 GAGGAGGAGAAAACGACAGGAACAGGAGGACAAGATGTGGAGGCAGGAAGAAAAAATCCGAGAACAAGAGG
 AAAAGTTTGGAGACAGGAGGAGAAGATAAGGGAACAGGAGGAAAAACGGCAGGAGCAGGAGGAAAAAAT
 GTGGAAGCAGGAGGAGAAAATCAGGGAGCAAGAGGAGAAAATTCAGGAGCAGGAGGAAAAGATCAGAGAA
 CAGGAGGAGAAGATCAGGGAGCAGGAGGAAATGACACAGGAGCAGGAGGAGAAGATGGGGAGCAGGAAG
 AAAAAATGTGTGAGCAGGAAGAGAAAATGCAAGAACAGGAAGAAAACAATGTGGAGACAGGAAGAGAAGAT
 AAGAGAGCAGGAAAAAATCCGGGAGCAGGAGGAAAAGATCAGGGAGCAAGAGGAAAATGATGCAAGAG
 CAGGAGGAGAAAATGTGGGAACAAGAGGAGAAGATGTGCGAGCAGGAGGAGAAGATGCAGGAGCAGGAGG
 AGAAGATGCGCCGCCAAGAAGAAAATGTGGGAGCAGGAAGTCAAGCTGAGACAACAGGAAGAAAAGAT
 GCAGGAGCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226519 representing NM_001145004
 Red=Cloning site Green=Tags(s)

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MLMWPQPHLPTPHPLPTPHPLPTPHPLPTPHPLPTPHPLPTPHPLPTHPMMSKETRQSKLAEAKEQLTDH
HPQTNPSVGTAAASDTKKKKINNGTNPETTTSGGCHSPEDQKASHQHQEALRRELEAQVHTIRILTCQKT
ELQMALYYSQHAVKQLEGEARDLISRLHDSWKFAGELEQALSAVATQKKKADRYIEELTKERDALSLELY
RNTITDEELKEKNAKLQEKLQLVESEKSEIQLNVKELKRKLERAKLLLPPQQQLQAEADHLGKELQSVSAK
LQAQVEENELWNRLNQQQEEMWRQEEKIQEWEEKIQEQEEKIREQEEKIREQEEKMRRQEEMMWEKEEK
MRRQEEMMWEKEEKMRRQEEMMWEKEEKMRRQEEMMWEKEEKIRELEEKMHEQEKIREQEEKRQEEKIR
EQEKRQEQEAKMWRQEEKIREQEEKIREQEKMWRQEEKIHEQEKIREEEKRQEQEEMWRQEEKIHEQEE
IWRQKEKMHEQEEKIRKQEEKVWRQEEKIREQEEKIREQEEKMWRQEEKIREQEEWREEEKMHEQEKIW
EEEKRQEQEDKMWRQEEKIREQEEKVWRQEEKIREQEEKRQEQEEMWKQEEKIREQEEKIQEQEEKIRE
QEEKIREQEEMTQEQEEKMGEQEEKMCEQEEKMQEQEETMWRQEEKIREQEEKIREQEEKIREQEEMMQE
QEEKMWEQEEKMCEQEEKMQEQEEKMRRQEEKMWEQEVRLRQEEKMQEH
  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001145004

ORF Size: 2250 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_001145004.1](#), [NP_001138476.1](#)

RefSeq Size: 4013 bp

RefSeq ORF: 2175 bp

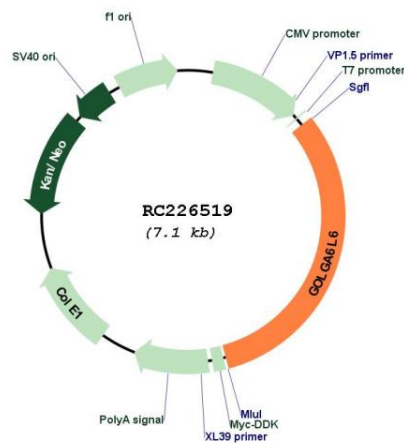
Locus ID: 727832

UniProt ID: [A8MZA4](#)

Cytogenetics: 15q11.2

MW: 94.2 kDa

Product images:



Circular map for RC226519