

Product datasheet for **RC229330**

GOLGA6L1 (NM_001001413) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GOLGA6L1 (NM_001001413) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GOLGA6L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC229330 ORF sequence, **codon optimized**.
 Due to the complexity of NM_001001413, 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**

ATGTTGATGTGGCCTCAGCCACACCTGCCTACCCACCCTCATCTTCTACACATCCTCATCTCCCGACACATCCTCATCTGCCACCCACCCTCACCTCCGACGCACCCTCACCTCCCCACTCACCCACACCTCCCAACTCACCCAAATGATGTCCAAGGAGACACGGCAGAGCAAGCTTGCGGAAGCTAAAGAACAGCTCACTGACCACATCCTCAGACCAATCCTAGCGTGGGTACCGCCGCTCCGACACAAAAAAGAAGATCAATAACGGCACTAATCCCAGACTACGACCAGTGGTGGTGCCTCCCCGAGGATGAACAGAAGGCCTCCCATCAGCATCAGGAAGCGTTGCGCCGGAACTGGAGGCCAGGTTACACAATCCGGATTCTCACCTGCCAGAAGACA GAACTCCAGATGGCCTTGTATTACTCTCAGCACGCGTGAAGCAGCTCGAGGGGAGGCCCGCGACTGATTTCCAGGCTCCACGACAGTTGGAAGTTTGCCGGAGAGCTGGAGCAGGCCTTGTCTGCCGTGCCACACA GAAGAAGAAAGCCGACCGCTACATAGAAGAACTGACCAAAGAGAGGGATGCACTGAGCCTGGAAGTGTATCGGAATACCATCACTGACGAAGAACTGAAAGAAAAAGATGCAAACTTCAGGAGAAGTTGCAGCTGGTGG AGTCAGAAAAATCTGAAATCACTGAATGTGAAGGAACCAAACGCAAACTCGAAAGGGCGAAACTGCT TTTGCCCTCAGCAACAGCTCCAAGCGGAAGCCGATCATCTGGGAAAAGAAGTGCAGAGCGTGAGCGTAAG CTCCAGGCACAGGTTGAAGAAAAATGAGCTCTGGAATCGGCTGAACCAGCAGCAGGAGGAAAAGATGTGGC GGCAAGGAGGAGAAGATCCAGGAGTGGGAGGAAAAATCCAGGAGCAGGAAGAGAAAAATCCGCAACAGGA GGAGAAGATCCGCGAGCAGGAGGAGAAGATGCGCCGCGAGGAGAAATGATGTGGGAGAAGGAAGAGAAA ATGCGGAGACAGGAAGAAATGATGTGGGAAAAGAAGAGAAAAATGCGGAGACTCGAAGAGATGATGTGGG AGAAGGAGGAGAAGATTAGAGAGTTGGAAGAAAAATGCATGAACAGGAGAAGATCCGGGAACAGGAGGA GAAGCGCCAGGAAGAAGAGAAAAATCCGGGAACAGGAAAAACGGCAAGAACAAGAAGCCAAGATGTGGCGC CAGGAGGAAAAGATACGGGAGCAGGAGGAAAAGATCAGGGAACAGGAAAAAAAAATGTGGCGCCAGGAGG AGAAAATCCACGAGCAAGAAAAGATTAGGGAAGAAGAAAAACGCCAGGAGCAGGAGGAGATGTGGCGGCA GGAGGAGAAGATACGCGAGCAGGAAGAGATTTGGCGGCAAAAAGAGAAGATGCATGAACAGGAGAAAATT CGCAAAACAGGAGGAAAAGGTGTGGCGGCAAGAGGAGAAGATGCATGACCAGGAAGAGAAGATCAGGGAAC AGGAAGAGAAAATGTGGAGACAGGAGGAAAAGATACGCGAACAGGAAGAGAAAATCCGGGAGCAGGAGGA AAAGATTCGCGAACAGGAGGAAATGATGCAGGAGCAGGAGGAGAAAATGGGGGAGCAGGAAGAAAAAATG CAGGAGCAAGAAAAATGCGAAGGCAGGAAGAGAAAATCCGCGAACAGGAGGAAAAGATCCGGGAACAGA AAGAAAAGATCCGGGAGCAGGAAGAGAAAATATGGGAGCAGGAGGAAAAGATAAGAGAACAGGAAGAAAT GATGCAAGAGCAAGAAGAAAAAATGTGGGAACAAGAAGAAAAGATGTGTGAACAGGAGGAAAAGATGCAG GAGCAAGAAGAGAAAATGAGAAGGCAGGAGGAGAAAATGTGGGAGCAGGAAGTGAAGTCCGACAGCAGG AAGAGAAAATGCAGGAACACCAGGAACCTGGAGGCCGCGATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC229330 representing NM_001001413
Red=Cloning site Green=Tags(s)

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MLMWPQPHLPTPHPLPTPHPLPTPHPLPTPHPLPTPHPLPTPHPLPTHPMMSKETRQSKLAEAKEQLTDH
HPQTNPSVGTAAADTKKKKINNGTNPETTTSGGCHSPEDQKASHQHQEALRRELEAQVHTIRILTCQKT
ELQMALYYSQHAVKQLEGEARDLISRHLDSWKFAGELEQALSAVATQKKKADRYIEELTKERDALSLELY
RNTITDEELKEKNAKLQEKLQLVESEKSEIQLNVKELKRKLERAKLLLPQQQLQAEADHLGKELQSVSAK
LQAQVEENELWNRLNQQQEEMWWRQEEKIQEWEEKIQEQEEKIREQEEKMRRQEEMMWEKEEK
MRRQEEMMWEKEEKMRRLEEMMWEKEEKIRELEEKMHEQEKIREQEEKRQEEKIREQEKRQEAKMWR
QEEKIREQEEKIREQEKMWWRQEEKIHEQEKIREEEKRQEQEEMWRQEEKIREQEEIWRQKEMHEQEKI
RKQEEKVWRQEEKMHDQEEKIREQEEKMWWRQEEKIREQEEKIREQEEKIREQEEIMMQEKEEMGEQEEKM
QEQEKMRQEEKIREQEEKIREQEKIREQEEKIWEQEEKIREQEEIMMQEKEEMWEQEEKMCEQEEKMQ
EQEEKMRQEEKMWEQEVRLRQEEKMQEHLEAAI
    
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001001413

ORF Size: 2004 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_001001413.3](#), [NP_001001413.3](#)

RefSeq Size: 3822 bp

RefSeq ORF: 2007 bp

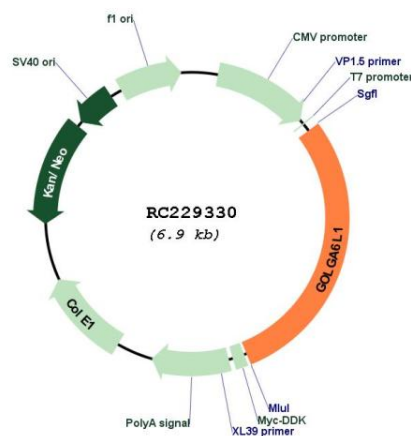
Locus ID: 283767

UniProt ID: [Q8N7Z2](#)

Cytogenetics: 15q11.2

MW: 83.1 kDa

Product images:



Circular map for RC229330