

Product datasheet for **RG228396**

GOLGA6L10 (NM_001164465) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	GOLGA6L10
Synonyms:	GOLGA6L18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG228396 ORF sequence, codon optimized.

Due to the complexity of NM_001164465, 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGC

ATGTGGCCCCAGCCACGACTGCCTCCCCACCCCGCTATGAGTGAAAAAACGCAGCAAGGAAAGCTCGCCG
CCGCGAAAAAGAAACTGAAAGCATATTGGCAGCGGAAGAGTCCTGGCATTCCCGCAGGTCGCAACCGGAA
GAAAAAAGTGAACGGATCATCTCCGGACACCGCCACCTCAGCGCGATACCATTTCTCCAGGGGATAGCGCT
ACAGGAATATATGGCGAAGGAAGAGCTAGTTCTACAACGTTGCAGGATCTTGAGAGTCAGTACCAGGAGC
TCGCCGTAGTCTGGCAGCAGCAGCGCAATTACGTACAGCTCACAGAAATTAATCACTCGTGTGAG
AACTTCCAAAGAGAAGAAACATGAGATTCTCTGTCGCAAAAGCTGGGACAGCTCTGTGTCAAGCTC
AAAAACCAGACAGCTGAGCCCTGGCCCCGAGCCCCCGCTGGGCCAGCAAGGTTGAACAACCTCCAG
ATGAAACCAACCACTGAGAAAAGAGTTGGAGTCTGTAGGCAGGCAGCTTCAGGCCGAAGTTGAAAAATA
CCAGATGCTCTCCCTTTTGAAACAGACGGCAGGAGGAAAGATTGCGCGAGCAGGAGGAGAGGCTGCATGAA
CAGGAGGAAAGGCTTCACGAACAGGAGGAGCGCCTCTGCGAGCAGGAGGAGAGGCTCTGTGAGCAGGAGG
AAGGCTGAGGGAGCAAGAAGAGCGCGCTTAGGGAAGCAAGAGGAGAGGCTCCACGAGCAAGAAGAGAGGCT
GTGCGACAGGAGGAAACGGCTTTGGCAACAGGAGCAGCAGCTCGCAAGAGGAGAAACTTCCGCGACAG
GAGAGGCTGCTCGAAGAAGTGGAAAGTAATGCTGGAGCAAGAACAGCAGGCAAGGAAGCAGGAGCAGGACTGC
TCAACGCGCAGCGGCTGCTCGACGAGGTCGAGGAACCTCTGGAGCAGGAACGACTTCGCGCAGCAGGATGA
ACGGCTGTGGCAGCAGGAGACTCTCCGCGAGTTGGAGAGGTTGAGAGAACTTGAACGCTCGCGGGAACCT
GAGAGGCTGCGCGAATTGGAGCGAATGCTCGAACTGGGCTGGGAGGCGTTGTACGAGCAACGCGCCGAGC
CACGCTGTGATTGGAAGAGCTGAATAACGAGAATAAATCCACGCTGCAGCTGGAACAGCAGGTCAAAGA
GTTGGAaaaaaAGTGGCGGAGCTGAAGAGCCAAGGGGATCCGAAAGCGCAGCAGCCGCCCGGCCGTACCC
GGGCTCCCGTCCCGCAGGCGCTGGATGTGCGGCGAGGCGGGTGGACACCTCAGGAACATCCAGGTT
TGCTGCGCGAGCTGTGGGACAGGCGAGGCTGCGCGGGGCTGAAGAGGCAGCTTGCCATAGCTTTCG
CGCTGCCGAGAATCGGAATTGAATATCACAATTATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG228396 representing NM_001164465

Red=Cloning site Green=Tags(s)

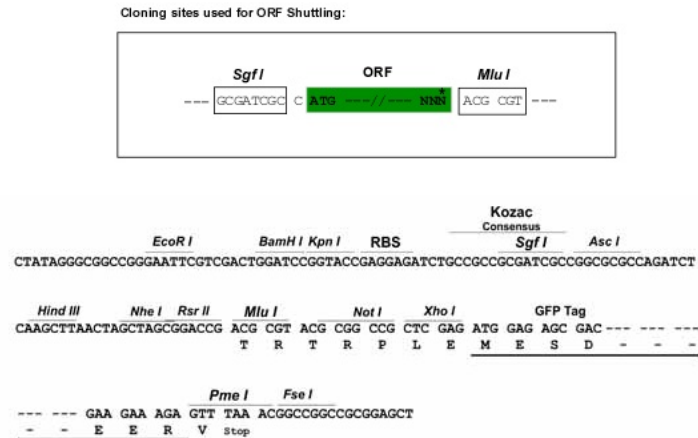
MWPQRLPPHPAMSEKTQQGLAAAKKLLKAYWQRKSPGIPAGANRKKKVNGSSPDATISGGYHSPGDSA
TGIYGEGRASSTTLQDLESQYQELAVALDSSSAIISQLTENINSLVRTSKEEKKHEIHLVQKLGRSLFKL
KNQTAEPLAPEPPAGPSKVEQLQDET NHLRKLELSVG RQLQAEVENNQMLSLNRRQEERLREQEERLHE
QEERLHEQEERLCEQEERLCEQEERLREQEERLREQEERLHEQEERLCEQEERLCEQEERLCEQEKLPGQ
ERLLEEVELLEQERRQEEQERLLEERLLEDEVEELLEQERLRQQDERLWQETRLRELERLELERLREL
ERLRELERMLELGWEALYEQRAEPRESFEELNNENKSTLLEQEQVCKELEKSGGAEEPRGSEAAAAARPVP
GAPVPOGAWMCGOAGWTPQEHPLSGEAVGTGEAAGGAEAAACHSFRAENRELNITII

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001164465

ORF Size: 1437 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:

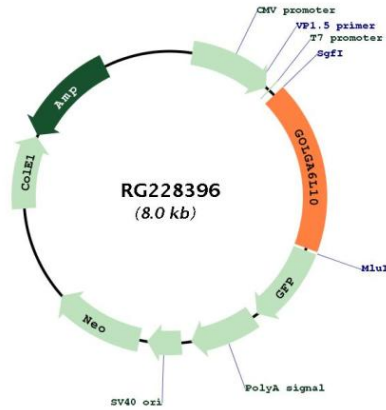
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

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

RefSeq: [NM_001164465.1](#), [NP_001157937.1](#)

RefSeq Size: 4452 bp
 RefSeq ORF: 1569 bp
 Locus ID: 647042
 UniProt ID: [A6N186](#)
 Cytogenetics: 15q25.2

Product images:



Circular map for RG228396