

Product datasheet for **RG211788**

GOLGA6L9 (NM_198181) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	GOLGA6L9
Synonyms:	GOLGA6L20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG211788 ORF sequence, **codon optimized**.
Due to the complexity of NM_198181, 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTGGCCTCAACCCCGCCTTCCACCACATCCTGCCATGTCCGAGAAGACACAGCAAGGAAAGCTGGCTG
CAGCAAAAAAGAAATTGAAGGCATCTGGCAGCGGAAGTCCCGCAGGGATCCCGCAGGTGCAAAACAGGAA
GAAGAAAGTCAACGGGAGCTCCCGACACCGCCACAAGCGGTGGGTATCATAGTCCAGGAGACTCCGCC
ACTGGTATCTACGGCGAGGGGCGGGCTTCATCAACCACACTTCAAGATCTGAAAGCCAGTATCAAGAGT
TGGCCGTGGCCTTGACTCCTCTTCGCTATCATTCTCAACTGACCGAGAATATTAATCATTGGTGCG
GACATCTAAAGAGGAAAAAGACACGAGATCCATTTGGTCCAGAAATTGGGAAGGAGTTTGTCAAACCTG
AAGAACCAGACCGCTGAGCCCTGGCTCCCGAGCTCCCGCGGACCAAGCAAGGTGGAACAGCTGCAGG
ATGAACAAATCATCTTCGCAAGGAAGTGGAAATCCGTTGGGAGACAGCTCCAGGCCGAAGTGGAACAA
TCAAATGCTGTCTTTGCTTAACCGGCGCCAGGAAGAGAGACTGAGGGAGCAGGAAGAGAGACTTCGGGAA
CAGGAAGAGCGGTTGTGTGAGCAGGAAGAACGGCTCTGCGAGCAGGAGGAGAGGCTGAGAGAGCAAGAGG
AGAGACTCTGTGAGCAGGAGAAGCTTCCGGGCGAGGAGCGGCTGCTCGAAGAGGTGGAAGCTGTTGAA
GCAGGAAGAAGACAAGAGGAGCAGGAACGCCTCTTGAGAGAGAACGCCTCTGGACGAAGTAGAGGAA
CTGCTGGAGCAGGAAGACTGCGACAGCAAGACGAAAGACTGTGGCAGCAGGAGACTCTGCGCGAATTGG
AGAGACTTAGAGAGTTGAAAGGATGCTTGAGCTCGGCTGGGAAGCCCTCTACGAACAGAGAGCGGAACC
GAGGTCTGGATTTCAGGAACTGAACAATGAAAAAAGTCCACGCTCCAGCTGGAACAGCAGGTGAAGGAG
CTGGAAGAGTCTGGGGGGCAGAAAGAGCCCGGGTAGTGAATCAGCAGCGGCTGCAAGACCAAGTACCCG
GCGCCCTGTACCTCAGGGCGCATGGATGTGCGGCCAGGCAGGTTGACCCCAAGAACATCCCGGTCT
TTCTGGCAGGCAGTCCGCACCGGTGAGGCGGCTGGCGCGCGGAGAAAGCGGCTGTCAATTCCTTTAGA
GCTGCAGAGAACCAGGAGCTCAACATCACTATCATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG211788 representing NM_198181
Red=Cloning site Green=Tags(s)

MWPQPRLPHPAMSEKTQQGLAAAKKKLKAYWQRKSPGIPAGANRKKKVNGSSPDATSGGYHSPGDSA
TGIYGEGRASSTTLQDLESQYQELAVALDSSSAIIISQLTENINSLVRTSKEKKHEIHLVQKLGRSLFKL
KNQTAEPLAPQPPAGPSKVEQLQDETNNHLRKELESVGRQLQAEVENNQMLSLLNRRQEERLREQEERLRE
QEERLCEQEERLCEQEERLREQEERLCEQEKLPGQERLLEEVEKLLKQERRQEERLLEERLLEVEVE
LLEQERLRQQDERLWQETLRELERLRELERMLELGWEALYEQRAEPRSGFEELNNENKSTLQLEQQVKE
LEKSGGAEEPRGESAAAAARPVPAPVPQGAWMCGQAGWTPQEHPLSGEAVGTGEAAGGAGEAACHSFR
AAENRELNITII

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198181

ORF Size: 1296 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_198181.2](#), [NP_937824.2](#)

RefSeq Size: 4375 bp

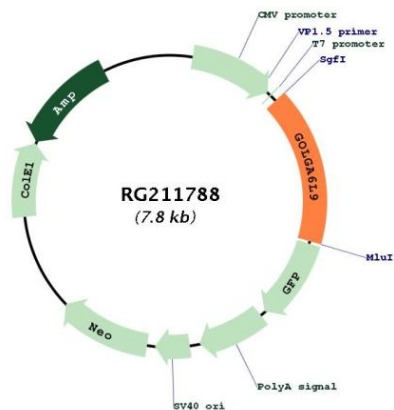
RefSeq ORF: 1299 bp

Locus ID: 440295

UniProt ID: [A6NEM1](#)

Cytogenetics: 15q25.2

Product images:



Circular map for RG211788