

Product datasheet for **RG211932**

GOLGA6B (NM_018652) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	GOLGA6B
Synonyms:	GOLGA; GOLGA6D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG211932 representing NM_018652
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTGGCCCCAACCTACCTCCCTCCCCACCCCATGATGTTAGAAGAATCTCGACAGAATAAATTGGCAG
 CAGCCAAGAAAAAGCTAAAAGAATATCAGCAAAGGAAGAGCCCTGGTATTCCAGCAGGAGCAAAGACAAA
 AAAGAAAAAACTGACAGTAGCCCTGAGACAACCACTTCGGTGGTGGCCACTCACCTGGGGATAGCCAG
 TACCAAGAACTAGCAGTAGCCCTGGAGTCAAGCTCAGTGACAATCAGTCAACTCAATGAAAAATAGAAT
 CATTGAAACAGCAGAAGAAACAAGTGAACATCAGCTGGAAGAAGCAAAGAAAAACAATGAAATACA
 CAAAGCACAATAATGGAGCGGTTAGAGACAATCAACATCCTCACATTGGAAAAGGCAGACTTGAAGACCACC
 CTTTACCATACTAAACGTGCTGCCCGACACTTCGAAGAAGAGTCCAAGGATCTGGCTGGCCGCTGCAAT
 ACTCCTTACAGCGTATTCAAGAATTGGAGCGGGCTCTCTGTCTGTCTACACAGCAGCAGGAAGAGGA
 CAGGTCTCGAGCTGCAGAGAAGCGGTCTCCACCGGGCTTACAGCAGACCATAAAGGAGCGGGCGCTG
 CTGAACGCACACGTGACACAGGTGACAGAGTCACTAAAACAAGTCCAGCTAGAGCGAGACGAATATGCTA
 AACACATAAAAGGAGAGAGGGCCCGTGGCAGGAGAGGATGTGGAATATGTCGGTGGAGGCTCGAACATT
 GAAGGAAGAGAAGAAGCGTGACATACATCGGATACAGGAGCTGGAGAGGAGCTGTCCGAACCTAAAAAC
 CAGATGGCTAAGCCCCATCCCTGGCGCCCCAGCAGTGACCTCTGTGGTGAACAGCTACAAGATGAGG
 CCAACACCTGAGGCAGGAGGTGGAAGGTCTGGAGGGAAGCTCCAATCCAGGTGGAAAAACAATCAGGC
 CTTGAGTCTCCTTAGCAAGGAACAAAAGCAGAGACTCCAGGAGCAGGAGGAGATGCTCCGAGAGCAGGAG
 GTGCAGAGAGTGCGGGAGCAGGAGAGACTGTGTGAACAAAACGAGAGGCTTCGGGAGCAGCAGAAGACGC
 TACAGGAGCAGGGTGAGAGGCTGCGAAAGCAGGAGCAGAGGCTACGCAACAGGAGGAGAGGCTGCGAAA
 GGAGGAGGAGAGGCTGCAAAAGCAGGAAAAAGAGGCTGTGGGACCAGGAGGAGAGGCTGTGGAAGAAGGAG
 GAGAGGCTACAAAAGCAGGAGGAGAGGCTCGCGCTCTCCAGAACCACAAGCTCGACAAGCAGCTGGCCG
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 GGAGCTGCAGGAGAAGCTAGACGAGGAGCACCTAGAAGCTGCCAGCCAGCAGAACCAACAGCTAGAGACC
 CAGCTAAGCCTCGTGGCTCTCCCGGAGAAAGGAGATGGAGGACAACATCTGGACAGTGAGGAGGAGGAGG
 CGCCTCGGCCACGCCAACATCCCAGAGGACCTGGAGAGCCGGGAGGCCACGAGCAGCTTTATGAGCTT
 CCCGAAGGAGAAGGCGGACGGGACGAGCAGGTGGAGAGCAGAGCTTGGATTCTGTCAGCCTTCTGGA
 GTGACAGACGGCATGAGAGAGTCTTACCCTATATGAAAGCCAGGGGAGTGCACAAACAGCGGCACC
 AGGAGATGGAGGATGTCATCAGGCTGGCCAGAGGAGGAGATGAAGGTGAAGCTGCTGGAGCTGCA
 AGAGTTGGTGTGCCCCTTGTGGGCAACCATGAGGGGATGGCAAATTCCTCATCGCTGCCAGAACCT
 GCTGATGAGCCACTCCAGGGGCCAGCCCCCAGGAACCTGGGGCTGCCGTGAGCAGGATGATTTTT
 ATGAAGTGAGCCTGGACAACAACGTGGAGCCTGCACCAGGAGCGCCAGGAGGTTCTCCCATGACAA
 CCCACTGTACAGCAGATCGTGCAGCTGTCTCTGTCTCATGCAGGACACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG211932 representing NM_018652
 Red=Cloning site Green=Tags(s)

MWPQPYLPPHPMMEESRQNKLAALKKKEYQQRKSPGIPAGAKTKKKTDSSPETTTSGGGHSPGDSQ
 YQELAVALESSSVTISQLNENIESLKQKKQVEHQLEAKKTNNEIHKAQMERLETINILTEKADLKTT
 LYHTKRAARHFEEESKDLAQLQYSLQRIQELERLCAVSTQQQEEEDRSSCREAVLHRRLLQTIKERAL
 LNAHVTVTESLKQVQLERDEYAKHIKGERARWQERMWKMVSVEARTLKEEKKRDIIHQELERSLSELKN
 QMAKPPSLAPPAVTSVVEQLQDEAKHLRQEVEGLEGLQSQVENNQALSLLSKEQKRLQEQEMLREQE
 VQRVREQERLCEQNERLREQQKTLQEQGERLRKQERLRKEERLRKQEKRLWDQEERLWKKE
 ERLKQKEERLALSQNHKLDKQLAEPQCSFEDLNNEKKSALQLEQQVKELQEKLEEHLEAASQQNQLET
 QLSLVALPGEQDGGHLDSEEEAPRPTPNIPEDLESREATSSFMDLPKEKADGTEQVERRELGFVQPSG
 VTDGMRESFTVYESQGAVPNTRHQEMEDVIRLAQKEEEMKVKLELQELVPLVGNHEGHGKFLIAAQN
 PADEPTPGAPAPQELGAAGEQDDFYEVSLDNNVEPAPGAAREGSPHDNPTVQQIVQLSPVMQDT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018652

ORF Size: 2079 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.

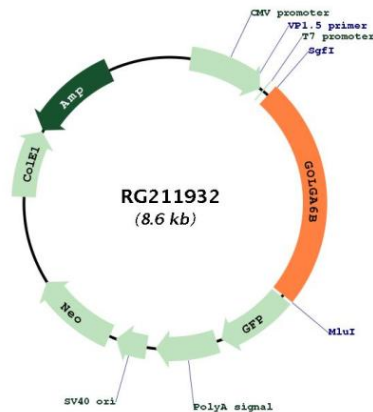
RefSeq: [NM_018652.4](#), [NP_061122.4](#)

RefSeq Size: 3178 bp

RefSeq ORF: 2082 bp
Locus ID: 55889
UniProt ID: [A6NDN3](#)
Cytogenetics: 15q24.1

Gene Summary: This gene is found in a large, low copy repeat sequence or duplcon that is found in multiple copies, which are greater than 90% similar, on chromosome 15. Duplicons are associated with deletions, inversions and other chromosomal rearrangements that underlie genomic disease. This gene is a member of the golgin gene family, whose protein products localize to the Golgi apparatus. The majority of the related gene copies are thought to be transcribed pseudogenes. It is not known whether this gene is a pseudogene or if it encodes a golgin protein. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG211932