

Product datasheet for **RG226747**

GOLGA6D (NM_001145224) Human Tagged ORF Clone

Product data:

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



ORF Nucleotide Sequence: >RG226747 representing NM_001145224
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGCCCCAACCTACCTCCCTCCCCACCCCATGATGTTAGAAGAATCTCGACAGAATAAATTGGCAG
CAGCCAAGAAAAAGCTAAAAGAATATCAGCAAAGGAAGAGCCCTGGTATTCCAGCAGGAGCAAAGACAAA
AAAGAAAAAACTGACAGTAGCCCTGAGACAACCACTTCGGTGGTGGCCACTCACCTGGGGATAGCCAG
TACCAAGAACTAGCAGTAGCCCTGGAGTCAAGCTCAGTGACAATCAATCAGTCAATGAAAAATAGAAT
CATTGAAACAGCAGAAGAAACAAGTGAACATCAGCTGGAAGAAGCAAAGAAAAACAATGAAATACA
CAAAGCACAATAATGGAGCAGTTAGAGACAATCAACATCCTCACATTGGAAAAGGCAGACTTGAAGACCACC
CTTTACCATACTAAACGTGCTGCCCGACACTTCGAAGAAGAGTCCAAGGATCTGGCTGGCCGCTGCAAT
ACTCCTTACAGCATATTCAAGAATTGGAGCGGGCTCTCTGTGCTGTGTCTACACAGCAGCAGGAAGAGGA
CAGGTCTCGAGCTGCAGAGAAGCGGTCTCCAGCGGGCTTACAGCAGACCATAAAGGAGCGGGCGCTG
CTGAACGCACACGTGACACAGGTGACAGAGTCACTAAAACAAGTCCAGCTAGAGCGAGACGAATATGCTA
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CAGATGGCTGAGCCCCATCCCTGGCAGCCCCAGCAGTGACCTCTGTGGTGAACAGCTACAAGATGAGG
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GCGCAGAGAGTGCGGGAGCAGGAGAGACTGTGTGAACAAAACGAGAGGCTTCGGGAGCAGCAGAAGACGC
TACAGGAGCAGGCTGAGAGGCTGCGAAAGCAGGAGCAGAGGCTACGCAACAGGAGGAGAGGCTGCGAAA
GGAGGAGGAGAGGCTGCAAAAGCAGGAAAAGAGGCTGTGGGACCAGGAGGAGAGGCTGTGGAAGAAGGAG
GAGAGGCTACAAAAGCAGGAGGAGAGGCTCGCGCTCTCCAGAACCAAGCTCGACAAGCAGCTGGCCG
AGCCACAGTGACGCTTCGAGGATCTGAACAACGAGAAAAAGAGCGCACTGCAGTTGGAGCAGCAAGTAA
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CAGCTAAGCCTCGTGGCTCTCCCTGGAGAAGGAGATGGAGGACAACATCTGGACAGTGAGGAGGAGGAGG
CGCCTCGGCCACGCCAACATCCCAGAGGACCTGGAGAGCCGGGAGGCCACGAGCAGCTTTATGAGCTT
CCCGAAGGAGAAGGCGGACGGGACGGAGCAGGTGGAGAGCAGAGCTTGGATTCTGCTCCAGCCTTCTGGA
GTGACAGACGGCATGAGAGAGTCTTACCCTATATGAAAGCCAGGGGCACTGCCAACACGCGGCACC
AGGAGATGGAGGATGTCTCAGGCTGGCCAGAGGAGGAGATGAAGGTGAAGCTGCTGGAGCTGCA
AGAGTTGGTGTGCCCCTTGTGGGCAACCATGAGGGGATGGCAAATTCCTCATCGCTGCCAGAACCT
GCTGATGAGCCACTCCAGGGGCCAGCCCCCAGGAACCTGGGGCTGCCGTGAGCAGGATGTTTTT
ATGAAGTGAGCCTGGACAACAACGTGGAGCCTGCACCAGGAGTGGCCAGGAGGTTCTCCCATACAA
CCCCACTGTACAGCAGATCGTGCAGCTGTCTCTGTCTATGCAGGACACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG226747 representing NM_001145224
Red=Cloning site Green=Tags(s)

MWPQPYLPPHPMMEESRQNKLAARKKKLKEYQQRKSPGIPAGAKTKKKTDSSPETTTSGGGHSPGDSQ
YQELAVALESSVTINQLNENIESLKQKKQVEHQLEAKKTNNEIHKAQMEQLETINILTEKADLKTT
LYHTKRAARHFEEESKDLAQLQYSLQHIQELERLCAVSTQQQEEEDRSSCREAVLQRRLLQTIKERAL
LNAHVTVTESLKQVQLERDEYAKHIKGERARWQERMWKMVSVEARTLKEEKKRDIIHQELERSLSELKN
QMAEPPSLAPPAVTSVVEQLQDEAKHLRQEVEGLEGLQSQVENNQALSLLSKEQKRLQEQEMLREQE
AQRVREQERLCEQNERLREQQKTLQEQGERLRKQEQRLRKQEERLRKEERLQKQEKRLWDQEERLWKKE
ERLQKQEERLALSQNHKLDKQLAEPQCSFEDLNNEKKSALQLEQQVKELQEKLEDEHLEAASQRNQLET
QLSLVALPGEQDGGQHLDESEEEAPRPTPNIPEDLESREATSSFMDLPKEKADGTEQVERRELGFVQPSG
VTDGMRESFTVYESQGAVPNTRHQEMEDVIRLAQKEEEMKVKLELQELVPLVGNHEGHGKFLIAAQN
ADEPTPGAPAPQELGAAGEQDVFEVSLDNNVEPAPGVAREGSPHNNPTVQQIVQLSPVMQDT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001145224

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).

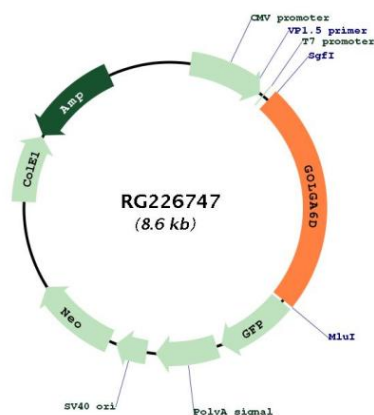
Reconstitution Method:

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_001145224.1](#), [NP_001138696.1](#)

RefSeq Size: 3449 bp
RefSeq ORF: 2082 bp
Locus ID: 653643
UniProt ID: [P0CG33](#)
Cytogenetics: 15q24.2

Product images:

Circular map for RG226747