

Product datasheet for **RG224194**

GOLGA8A (NM_181077) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	GOLGA8A
Synonyms:	CFAP286; FAP286; GM88; GOLGA8B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG224194 representing NM_181077
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCAGAAGAACTGGACAGAGTAATTAGCTGCAGCCAAGAAAAAGTTCAAAGAATATTGGCAGAGAA
 ACCGCCCTGGTGTTCAGCAGCAGCGAAGAGGAACACGAAAGCAAATGGCAGTAGCCCTGAGACGGCCGC
 TTCTGGTGGTTGCCACTCATCTGAGGCTTCTCTCCGCCCTCTCTCTCTGATGCGCGTCAGAGCCCG
 TGCCAGAACAAGCAGCAGTCTGAAGTCGAGGTCCATAAAAAATCAGTCGACTGAATGACACCATCAAAT
 CTTTGAAACAACAGAAGAAACAAGTGAACATCAGCTGGAAGAAGAAAAAGCAACAATGAGAAACA
 GAAAGCTGAAAGGGAGCTAGAGGGTCAAATCCAGAGATTGAACACAGAGAAAAAGAACTAAATACGGAC
 CTGTATCACATGAAACATTCTCTCAGATACTTTGAAGAAGAGTCCAAGGATCTGGCCGCGCCCTGCAAC
 GTTCATCGCAGCGTATAGGAGAGTTAGAGTGGTCTCTCTGTGCTGTCGCCGCCACACAGAAGAAGGCC
 GGATGGGTTCTCGAGCCGAGTAAAGCACTTCTCAAGCGGCAGTTAGAGCAGTCCATACGGGAGCAGATA
 CTGCTGAAAGGACAGTACACAGTTGAAGGAGTCGCTTAAAGAAGTCCAGCTGGAGAGAGATCAATATG
 CTGAACAAATAAAAGGAGAGAGGGCCAGTGGCAGCAGAGGATGAGGAAAAATGTCGCAGGAGGTTTGCAC
 ATTGAAGGAGGAGAAGAAGCATGATACGCATCGGCTAGAGGAGCTGGAGAGGAGCTTGTCCAGACTCAA
 AACCAGATGGCTGAGCCACTGCCCCGGATGCCCCAGCAGTGTCTCTGAGGTGGAGCTGCAAGACCTGA
 GGAAGGAGCTGGAGAGTGGCAGGAGAGCTCCAGGCTCAGGTGGAACAACATCAGTCATCAGTCTCTCT
 GAACCGTGGGCAAAGGAGAGGCTTCGCGAGCAGGAGGAGAGGCTTCAGGAGCAGCAGGAGAGGCTTCGG
 GAACGGGAGAAGAGGCTTCAGCAGCTGGCCGAGCCACAGAGCGACTTGGAGGAGCTGAAGCACGAGAACA
 AGAGCGCACTGCAGTTGGAGCAGCAAGTAAAGGAGCTGCAGGAGAAGCTGGGCCAGGTGATGGAGACGCT
 CACCTCGGCCGAGAAGGAGCCAGAGGAGCAGTCCAGCCTCAGGACTGGGGGCGAGTCTAGCGGCCTT
 ATGGACCTCTGGAGGAGAAGGCGGACCTGAGGAGCATGTGGAGAACTGGAAGTTGATCCAGT
 ACCGGAGAGAGAGATGCCATCAGAAAGTACATCGCCTTCTAACAGAGCCAGGGGACAGTGCCAAAGATGC
 GTCACCGGAGGAGGCCATCATCAGGCTGGCCAGGACAAGGAGGAGAGGAAGTGAAGCTGCTGGAGCT
 GCAGGAGATGGTGTTCGGCTTGTGGCAGCTACAGCGAGGGGCACGCGCAATTCCTGGCCGCTGCCCGGA
 ACCCTGCTGCTGAACCAAGTCCAGGAGCCCGAGCCCCAGGAGCTCGGGGCTGCCGACAAGCATGGTGA
 TCTTTGTGAGGCGAGCCTACCAACAGCGTGGAGCCTGCACAAGGAGAAGCCAGGGAGGGTTCTCCAG
 GACAACCTACTGCACAGCCAGTCGTGAGCTCCTTGGTGAGATGCAGGACCACAGGAGCAGCCAGGCT
 TGGGACAGAACTGCTGTGTCCATGCTTTTGTGGGCTTGGCTGCCGAGAAGAAGGAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG224194 representing NM_181077
 Red=Cloning site Green=Tags(s)

MAEETGQSKLAAKKKFKEYWQRNRPVPAAKRNTKANGSSPETAASGGCHSSEASSSASSSLHARQSP
 CQEQAAVLNSRSIKISRLNDTIKSLKQKKQVEHQLEEEKKANNEKQKAERELEGQIQRLNTEKKLNTD
 LYHMKHSLRYFEEESKDLAQLRQSSQRIGELEWSLCAVAATQKKKPDGFSRSKALLKRQLEQSIREQI
 LLKGHVTQLKESLKEVQLERDQYAEQIKGERAQWQRMKMSQEVCTLKEEKKHDTHRVEELERSLSRLK
 NQMAEPLPPDAPAVSSEVELQDLRKELERVAGELQAQVENNQICISLLNRGQKERLREQEERLQEQQERLR
 EREKRLQQLAEPQSDLEELKHENKSALQLEQQVKELQEKLGQVMEITLSAEKEPEAAVPSGTGGESSGL
 MDLLEEKADLREHVEKLELGF IQYRRERCHQKVHRLLEPGDSAKDASPGGGHHQAGPGQGEEGEAAGA
 AGDGVAAAGSYSEGHGFLAAARNPAAEPSPGAPAPQELGAADKHGDLCEASLTNSVEPAQGEAREGSSQ
 DNPTAQPVVQLLGEMQDQHEHPGLGSNCCVPCFCWAWLPRRRR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_181077

ORF Size: 1809 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

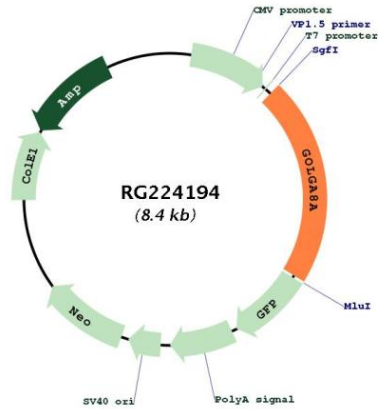
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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:	<u>NM_181077.4</u>
RefSeq Size:	4264 bp
RefSeq ORF:	1812 bp
Locus ID:	23015
UniProt ID:	<u>A7E2F4</u>
Cytogenetics:	15q14
Gene Summary:	The Golgi apparatus, which participates in glycosylation and transport of proteins and lipids in the secretory pathway, consists of a series of stacked, flattened membrane sacs referred to as cisternae. Interactions between the Golgi and microtubules are thought to be important for the reorganization of the Golgi after it fragments during mitosis. The golgins constitute a family of proteins which are localized to the Golgi. This gene encodes a golgin which structurally resembles its family member GOLGA2, suggesting that they may share a similar function. There are many similar copies of this gene on chromosome 15. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2009]

Product images:



Circular map for RG224194