

## Product datasheet for **RG235398**

### Giantin (GOLGB1) (NM\_001256488) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Giantin (GOLGB1) (NM_001256488) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GOLGB1
Synonyms:	GCP; GCP372; GOLIM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG235398 representing NM_001256488 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAATTTAATAACTACACAAGAAGATGTTCCAGGAGCGCCTGGCTTATGCAGAGCAATTGGTGGTGG  
AGCTAAAAGATATTATTAGACAGAAGGATGTTCAACTGCAGCAGAAAAGATGAAGCTCTACAGGAAGAGAG  
AAAAGCTGCTGATAACAAAATTAATAACTAACTTTCATGCGAAGGCCAAATTAAGCTCTTTGAATAAA  
TACATAGAAGAAATGAAAGCACAAGGAGGACTGTTCTGCCTACAGAACCTCAGTCAGAGGAGCAACTTT  
CCAAGCATGACAAGAGTTCTACAGAGGAAGAGATGGAAAATAGAAAAGATAAAACATAAGCTCCAGGAGAA  
GGAGGAACTAATCAGCACTTTGCAAGCCAGCTTACTCAGGCACAGGCAGAAACCTGCACAGAGTTCT  
ACAGAGATGGAAGAATTTGTAATGATGAAGCAACAGCTCCAGGAGAAGGAAGAATTCATTAGCACTTTAC  
AAGCCAGCTCAGCCAGACACAGGCAGAGCAAGCTGCACAGAAATGAGGGTGCTGCAAAGGAAGCTTGA  
GGAACACGAAGAATCCTTGGTGGCCGTGCTCAGGTGCTTACTGCTGCAACAGGAGCTGACTGCTGCT  
GAGCAGAGAAACCAGATTCTCTCAGCAGTTACAGCAGATGGAAGCTGAGCATAATACTTTGAGGAACA  
CTGTGGAACAGAAAGAGAGGAGTCCAAGATTCTACTGAAAAGATGGAAGTTGAGTGGCAGAGAGAAA  
ATTATCCTTCCATAATCTGCAGGAAGAAATGCATCATCTTTAGAAGCTTTGAGCAAGCAGGCCAAGCC  
CAGGCTGAACTAGAGTCTCGGTATAGTGCTTTGGAGCAGAAGCAGAAATGGAAGAGAAGACT  
CTCATATTTGAGTCTTCAAAGACTGGACAAGAGCTGCAGTCTGCCTGTGATGCTCTAAAGGATCAAAA  
TTCAAAGCTTCTCCAAGATAAGAATGAGCAAGCAGTTCAGTCAGCCAGACCATTAGCAACTGGAAGAT  
CAGCTCCAGCAAAAATCCAAAGAAATAGCCAATTTCTAAATAGACTGCCCTTGCAACAACATGAAACAG  
CATCTCAGACTTCTTTCCAGATGTTTATAATGAGGGCACACAGGCAGTCACTGAGGAGAATATTGCTTC  
TTTGCAGAAGAGAGTGGTAGAACTAGAGAATGAAAAGGGAGCCTTGCTCCTTAGTTCTATAGAGCTGGAG  
GAGCTGAAAGCTGAGAATGAAAAGTGTCTTCTCAGATTACTCTCCTAGAGGCTCAGAATAGAACTGGGG  
AGGCAGACAGAGAAGTCACTGAGATCAGCATTGTTGATATTGCCAACAAGAGGAGCTCTTCTGCTGAGGA  
AAGTGGACAAGATGTTCTAGAAAACACATTTTCTCAGAAAACATAAAGAATTATCAGTTTTATTGTTGGAA



[View online »](#)

ATGAAAGAAGCTCAAGAGGAAATTGCATTTCTTAAATTACAGCTCCAGGGAAAAAGGGCTGAGGAAGCAG  
ATCATGAGGTCCTTGACCAGAAAGAAATGAAACAGATGGAGGGTGAAGGAATAGCTCCAATTAATAATGAA  
AGTATTTCTTGAAGATACAGGGCAAGATTTTCCCTTAATGCCAAATGAAGAGAGCAGTCTCCAGCAGTT  
GAAAAAGAACAGGCGAGCACTGAACATCAAAGTAGAACATCTGAGGAAATATCTTTAAATGATGTGGAG  
TAGAATTGAAATCAACAAAGCAGGATGGTGATAAATCCCTTTCTGCTGTACCAGATATTGGTCAGTGTCA  
TCAGGATGAGTTGAAAGGTTAAAAAGTCAAATTTGGAGCTCGAGCTAACTTTTCATAAAGCACAAAGAA  
ATCTATGAGAAAAATTTAGATGAGAAAGCTAAGGAAATTAGCAACCTAACCCAGTTGATTGAGGAGTTTA  
AGAAAAATGCTGACAACAACAGCAGTGCATTCAGTCTTTGTCTGAAGAAAGAGACCAGTCTCTCTCTCA  
GGTGAAGGAACCTTAGCATGGTAACAGAATTGAGGGCTCAGGTAAGCAACTGGAATGAACCTTGACAGAA  
GCAGAAAGGCAAAGAAGACTTGATTATGAAAGCCAACTGCCATGACAACCTGCTCACTGAACAGATCC  
ATAGTCTCAGCATAGAAGCCAACTAAAGATGTGAAAATTGAAGTTTTACAGAAATGAACTGGATGATGT  
GCAGCTTCAGTTTTCTGAGCAGAGTACCCTGATAAGAAGCCTGCAAGCCAGCTGCAAAAATAGGAAAGT  
GAAGTCTTGAGGGGCAGAACGTGAAGGCATATCTCAAGTAAAGTGGAAGAACTGTCCAGGCTCTTT  
CACAGAAGGAACTTGAATAACAAAAATGGATCAGCTCTTACTAGAGAAAAAGAGAGATGTGAAAACCT  
CCAACAAACCATCGAGGAGAAGGATCAACAAGTGACAGAAATCAGCTTTAGTATGACTGAGAAAAATGGTT  
CAGCTTAATGAAGAGAAGTTTTCTCTGGGGTTGAAATTAAGACTCTTAAAGAACAGCTAAATTTATTAT  
CCAGAGCTGAGGAAGCAAAAAAGAGCAGGTGGAAGAAGATAATGAAGTTTTCTTGGCCTTAAACAAAA  
TTATGATGAGATGAGCCAGCAGGACAAATAAGTAAGGAAGAAGTTCAGCATGAATTTGACCTTCTGAAG  
AAAGAAAAATGAGCAGAGAAAGAGAAAGCTCCAGGCAGCTCTTATTAACAGAAAGGAGCTTCTGCAAGAG  
TCAGTAGATTGGAAGAAGATTAGCCAACCTGAAAGATGAATCTAAGAAAGAAATCCCACTCAGTGAGAC  
TGAGAGGGGAGAAGTGAAGAAGATAAAGAAAAACAAGAATACTCAGAAAAATGTGTGACTTCTAAGTGC  
CAAGAAATAGAAATTTATTTAAACAGACAATATCTGAGAAAGAAGTGAAGTACAGCATATAAGGAAGG  
ATTTGGAAAGAAAGCTGGCAGCTGAAGAGCAATTCAGGCTCTGGTCAAACAGATGAATCAGACCTTGCA  
AGATAAAAACAAACCAATAGATTTGCTCCAAGCAGAAATCAGTGAAAAACCAAGCAATTTCCAGAAAGTTA  
ATCACAAGTAACACGGATGCAAGTGTGGGACTCCGTAGCAGTGTAAAGGAAACAGTGGTGATAGTGC  
CACCTTGTACAGGTAGTAGTGAACACTGGAACAGAACTAGAAGAAAAGATACTGGCCCTTAAAAAGAA  
AAAGGAGCAACTTCAAAAGAAGCTACAGGAAGCCTTAACCTCCCGCAAGGCAATTTCTAAAAAGGCACAG  
GAGAAAGAAAGACATCTCAGGGAGGAGCTAAAGCAACAGAAAGATGACTATAATCGCTTGAAGAAGCAGT  
TTGATGAGCAAAGCAAGGAAAAATGAGAATATTGGAGACCAGCTAAGGCAACTCCAGATTCAGTAAGGGA  
ATCCATAGACGGAAGCTCCAAGCACAGACCAGCAGGAATCGTGTCTTCCACTCCAGGTTTAGAAGAA  
CCTTTATTCAAAGCCACAGAACAGCATCAACTCAACCTGTTTTAGAGTCCAACCTGTGCCAGACTGGC  
CTTCTCATTCTGAAGATGCGAGTCTCTCAGGGCGGAACTTCTGTTGCCAGATTAAAGGCCAGCTGAA  
GGAAATAGAGGCTGAGAAAGTAGAGTTAGAATTGAAAGTTAGTTCTACAACAAGTGAAGTCTACTAAAAAA  
TCAGAAGAGGTATTTAGTTACAAGAGCAGATAAATAACAGGGTTTAGAAATCGAGAGTCTAAAGACAG  
TATCCCATGAAGCTGAAGTCCATGCCGAAAGCCTGCAGCAGAAATGGAAAGCAGCCAACATAAAATGTC  
TGGCCTAGAACATCTAAGAGAATTGCAACCTAACTGGATGAACTGCAAAAACTCATAAGCAAAAAGGAA  
GAAGACGTTAGCTACCTTTCTGGACAACCTAGTGAGAAAGAAGCAGCTCTCACTAAAATACAGACAGAGA  
TAATAGAACAAGAAGATTTAATTAAGGCTCTGCATACACAGCTAGAAATGCAAGCCAAAGAGCATGATGA  
GAGGATAAAGCAGCTACAGGTGGAACCTTTGTGAAATGAAGCAAAAACAGAAAGAGATTGGAGAAGAAAGT  
AGAGCAAAGCAACAAATACAAAGGAAACTGCAAGCTGCCCTTATTTCCGAAAAGAAGCACTAAAAGAAA  
ACAAAAGTCTCCAAGAGGAATTGCTTTGGCCAGAGGTACCATTGAACGCTCACCAAGTCTCTGGCAGA  
TGTGAAAGCCAAGTTTCTGCTCAAAATAAAGAAAAAGATACGGTCTTAGGAAGTTAGCTCTTCTTCAA  
GAAGAAAGAGACAAACTATTACAGAAATGGACAGGTCTTTATTGGAAAAATCAGAGTCTCAGCAGCTCCT  
GTGAAAGTCTAAAAGTCTAGAGGCTTACTGAAGACAAGGAAAAGTTAGTGAAGGAAATGAAATC  
TTTGAAATCTTCTAAGATTGCAGAAAGTACTGAGTGGCAAGAGAAAACACAAGGAGCTACAAAAGAGTAT  
GAAATCTTCTGAGTCTATGAGAATGTTAGTAATGAAGCAGAAAGGATTGAGCATGTGGTGAAGGCTG  
TGAGGCAAGAGAAACAAGAACTGTATGGCAAGTTAAGAAGCACAGAGGCAACAAGAAGGAGACAGAAAA  
GCAGTTGCAGGAAGCTGAGCAAGAAATGGAGGAAATGAAAGAAAAGATGAGAAAGTTTGCTAAATCTAAA  
CAGCAGAAAAATCCTAGAGCTGGAAGAAGAGAATGACCGGCTTAGGGCAGAGGTGCACCCTGCAGGAGATA  
CAGCTAAAGAGTGTATGGAAACACTTCTTTCTTCCAATGCCAGCATGAAGGAAGAAGTTGAAAGGGTCAA  
AATGGAGTATGAAACCTTTCTAAGAAGTTTCACTTTAATGTCTGAGAAAGACTCTCTAAGTGAAGAG  
GTTCAAGATTTAAGCATCAGATAGAAGGTAATGTATCTAACAAGCTAACCTAGAGGCCACCGAGAAAC

ATGATAACCAAACGAATGTCACCTGAAGAGGGAACACAGTCTATACCAGGTGAGACTGAAGAGCAAGACT  
TCTGAGTATGAGCACAAGACCTACATGTTGAGAATCGGTTCCATCAGCGAAGAGTGCCAACCTGCTGTA  
AGTAAGGATTTGAGCTCACATGATGAAATTAATACTACCTACAGCAGATTGATCAGCTCAAAGAAAGAA  
TTGCTGGATTAGAGGAGGAGAAGCAGAAAAACAAGGAATTTAGCCAGACTTTAGAAAATGAGAAAAATAC  
CTTACTGAGTCAGATATCAACAAAGGATGGTGAACAAAAATGCTTCAGGAGGAAGTAACCAAAATGAAC  
CTGTAAATCAGCAAATCCAAGAAGAACTCTCCAGAGTTACCAAACTAAAGGAGACAGCAGAAGAAGAGA  
AAGATGATTTGGAAGAGAGGCTTATGAATCAATTAGCAGAATTAAATGGAAGCATTGGGAATTAAGTCA  
GGATGTTACAGATGCCAAATAAAAAATGAGCTATTGGAATCTGAAATGAAGAACCTTAAAAAGTGTGTG  
AGTGAATTTGGAAGAAGAAAAGCAGCAGTTAGTCAAGGAAAAAACTAAGGTGGAATCAGAAATACGAAAGG  
AATATTTGGAGAAAAACAAGGTGCTCAGAAAAGACCCGGAAAATAAAAGCCATGCAAAGGAACTTCAGGA  
ACTGTTAAAAGAAAAACAAGAAGTAAAGCAGCTACAGAAGGACTGCATCAGGTATCAAGAGAAAAATT  
AGTGCTCTGGAGAGAACTGTTAAAGCTCTAGAATTTGTTCAAAGTGAATCTCAAAAAGATTTGGAAATAA  
CCAAAGAAAACTGGCTCAAGCAGTTGAACACCGCAAAAAGGCACAAGCAGAATTAGCTAGCTTCAAAGT  
CCTGCTAGATGACTCAAAGTGAAGCAGCAAGGGTCTAGCAGACAATCTCAAGTTGAAAAAGGAACTT  
CAGTCAAATAAAGAAATCAGTTAAAAGCCAGATGAAACAAAAGGATGAAGATCTTGAGCGAAGACTGGAAC  
AGGCAGAAGAGAAGCACCTGAAAGAGAAGAAGAATATGCAAGAGAAAAGTGGATGCTTTGCCAGAGAAAA  
AGTCCACTTGAAGAGACAATTGGAGAGATTGAGGTTACTTTGAACAAGAAAGACAAGGAAGTTCAGCAA  
CTTCAGGAAAAGTGGACAGTACTGTGACCCAGCTTGCAGCCTTTACTAAGAGCATGCTTCCCTCCAGG  
ATGATCGTGACAGGGTGATAGATGAAGCTAAGAAATGGGAGAGGAAGTTTGTGATGCGATTCAAAGCAA  
AGAAGAAGAAATTAGACTCAAAGAAGATAATTGCAGTGTCTAAAGGATCAACTTAGACAGATGCCATC  
CATATGGAAGAATTAAGATTAACATTTCCAGGCTTGAACATGACAAGCAGATTTGGGAGTCCAAGGCC  
AGACAGAGGTCCAGCTTCCAGCAGAAGGTCTGTGATACTTACAGGGGGAAAAACAAGAAGCTTTTGTCCCA  
GCTAGAAGAGACACGCCACCTATACCAGTTCCTCAGAATGAATTAGCTAAGTTGGAATCAGAAGTAAAG  
AGTGTCAAAGACCAGTTGACTGATTTAAGTAACCTTTAGAAAAATGTAAGGAACAAAAAGGAACTTGG  
AAGGGATCATAAGGCAGCAAGAGGCTGATATCAAAATTTAAGTTGAGTTATGAACAAGTGGAGACTGA  
TCTTCAGGCCCTCCAGAGAACTGACCAGTAGGCTGCATGAAGAAATAAATATGAAAGAGCAAAAAGATTATA  
AGCCTGCTTTCTGGCAAGGAAGAGGCAATCCAAGTAGCTATTGCTGAACTGCGTCAGCAACATGATAAAG  
AAATTAAGAGCTGGAAGAACTGCTGTCCAGGAGGAAGAGGAGAATATTGTTTTAGAAGAGGAGAACA  
AAAGGCTGTTGATAAAACCAATCAGCTTATGGAACACTGAAAACCATCAAAAAGGAAAACATTAGCAA  
AAGGCACAGTTGGATTCTTTGTTAAATCCATGTCTTCTCCTCAAAATGATCGAGACCGCATAGTGGGTG  
ACTATCAACAGCTGGAAGAGCGACATCTCTATAATCTTGAAAAAGACCAACTCATCAAGAGGCTGC  
TGCAAGAGAAATAAAGCTTAAAGAAGAAATACGAGGCTTGAGAAGTCATATGGATGATCTCAATTCTGAG  
AATGCCAAGCTAGATGCAGAAGTATCCAAATATAGAGAAGACCTGAACCAAGTGATAACAATAAAGGACA  
GCCAACAAAAGCAGCTTCTTGAAGTTCACTTCAGCAAAAATAGGAGCTGGAAAAATAATATGCTAAATT  
AGAAGAAAAGCTGAAGGAATCTGAGGAAGCAATGAGGATCTGCGGAGGTCTTTAATGCCTACAAGAA  
GAGAAACAAGATTTATCTAAAGAGATTGAGAGTTTGAAGTATCTATATCCAGCTAACAAAGACAAGTAA  
CAGCCTTGCAAGAAGAAGTACTTTAGGACTCTATCATGCCAGTTAAAAGTAAAAGAAGAAGAGGTACA  
CAGGTTAAGTGCTTTGTTTTCTCTCTCAAAAGAGAATTGCAGAAGTGAAGAAGAATTGGTTTGTGTT  
CAAAAGGAAGCTGCCAAGAAGGTAGGTGAAATGAAGATAAAGTGAAGAAGAATTAAAGCATCTTCATC  
ATGATGCAGGGATAATGAGAAATGAAACTGAAACAGCAGAAGAGAGAGTGGCAGAGCTAGCAAGAGATTT  
GGTGGAGATGGAACAGAAATTAATCATGGTCAACAAAGAAAAATAAAGGTCTCACAGCACAATTCAGTCT  
TTTGAAGGTCTATGAGTTCTTGCAAAATAGTAGAGATCATGCCAATGAGGAAGTGTGAACTGAAAA  
GGAAATATGATGCCAGTCTGAAGGAATTGGCACAGTTGAAAGAACAGGGACTCTTAAACAGAGAGAGAGA  
TGCTCTTCTTCTGAAACCGCTTTTCAATGAACTCCACTGAGGAGAATAGCTTGTCTCACCTTGAGAAA  
CTTAACCAACAGCTCCTATCCAAGATGAGCAATTGCTTCACTTGTCTCACAAGTGAAGATTCTTATA  
ACCAAGTGCAGTCTTTTCCAAGGCTATGGCCAGTCTGCAGAATGAGAGAGATCACCTGTGGAATGAGCT  
GGAGAAATTTGAAAGTCAAGGAGGGAAGCAGAGGTCTGCAGCTCAGCCTTCCACCAGCCAGCTGAA  
GTACAGAGTTTAAAAAAGCTATGTCTTCACTCAAAAATGACAGAGACAGACTACTGAAGGAATTGAAGA  
ATCTGCAGCAGCAATACTTACAGATTAATCAAGAGATCACTGAGTTACATCCACTGAAGGCTCAACTTCA  
GGAGTATCAAGATAAGACAAAAGCATTTAGATTATGCAAGAAGAGCTCAGGCAGGAAAACCTCTCTGG  
CAGCATGAGCTGCATCAGCTCAGGATGGAGAAGAGTCTGGGAAATACATGAGAGGAGAATGAAGGAAC  
AGTACCTTATGGCTATCTCAGATAAAGATCAGCAGCTCAGTCATCTGCAGAATCTTAAAGGAATTGAG

```
GTCTTCTCCTCCCAGACTCAGCCTCTCAAAGTCAATACCAAAGACAGGCATCCCCAGAGACATCAGCT
TCCCAGATGGGTACAAAATCTGGTTTATGAGACAGAACTTCTCAGGACCCAGCTCAATGACAGCTTAA
AGGAAATCACAAAAGGAGTTAAGAATTCAGCAACTGAACAGCAACTTCTCAGCTACTGGAAGAGAA
AAACACCCTTTCCATTAGCTCTGCGATACCAGTCAGAGTCTTCGTGAGAACCAGCAGCACTATGGTGAC
CTTTTAAATCACTGTGCAGTCTTGGAGAAGCAGGTTCAAGAGCTGCAGGCGGGGCCACTAAATATAGATG
TTGCTCCAGGAGCTCCCCAGGAAAAGAATGGAGTTCACAGAAAGAGTGACCCTGAGGAAC TAAGGGAACC
GCAGCAAAGCTTTTCTGAAGCTCAGCAGCAGCTATGCAACACCAGACAGGAAGTGAATGAATTAAGGAAG
CTGCTGGAAGAAGAACGAGACCAAAGAGTGGCTGCTGAGAATGCTCTCTGTGGCCGAGGAGCAGATCA
GACGGTTAGAGCACAGTGAATGGGACTCTTCCCGACTCCTATCATTGGCTCCTGTGGCACTCAGGAGCA
GGCACTGTTAATAGATCTTACAAGCAACAGTTGTCGAAGGACCCGGAGTGGCGTTGGATGGAAGCGAGTC
CTGCGTTCAGTCTGTATTACGGACCCGAGTGCCACTTCTAGCAGCCATCTACTTTCTAATGATTCATG
TCCTGCTCATTCTGTGTTTTACGGGCCATCTA
```

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG235398 representing NM\_001256488  
 Red=Cloning site Green=Tags(s)

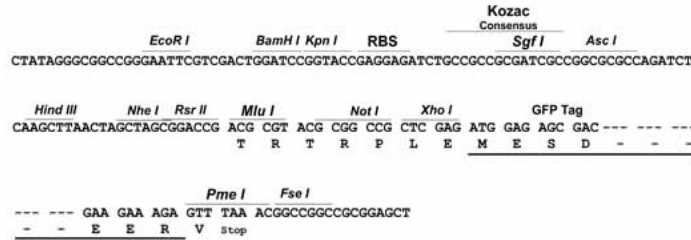
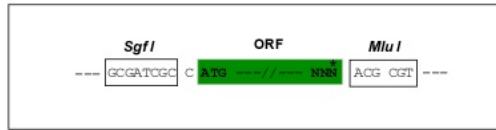
MEFNNTTQEDVQERLAYAEQLVVELKDIIRQKDVQLQQKDEALQEERKAADNKIKKLLHAKAKL TSLNK  
 YIEEMKAQGGTVLPTPEQSEELSKHDKSSTEEEMEIEKIKHKLQEKEELISTLQAQLTQAQAEQPAQSS  
 TEMEEFVMMKQQLQEKEEFISTLQAQLSQTQAEQAAQKLRVLRKLEEEHESLVGRAQVVDLLQQLTAA  
 EQRNQILSQQLQMEAEHNTLRNTVETEREESKILLEKMELEVAERKLSFHNLQEEMHHLLQFEQAGQA  
 QAELSRYSALEQKHKAEEMEEKSHILSLQKTGQELQSACDALKDQNSKLLQDKNEQAVQSAQTIQQL  
 EDQLQKSKSEISQFLNRLPLQQHETASQTSFPDVYNEGTVAVTEENIASLQKRVVELENEKGAALLSSIELE  
 ELKAENEKLSQITLLEAQNRTEADREVEISIVDIANKRSSSAEESGQDVLENTFSQKHKELSVLLE  
 MKEAQEEIAFLKQLQGKRAEEADHEVLDQKEMKQMEGEGIAPIKMKVFLDGTGQDFPLMNEESSLPV  
 EKEQASTEHQSRTSEEISLNDAGVELKSTKQDGDKSLSAVPDIGQCHQDELERLSQILELELNHKAQE  
 IYEKNLDEKAKEISNLNQLIEEFKKNADNNSSAF TAL SEERDQLLSQVKELSMVTELRAQVKQLEMNLA  
 AERQRRLDYESQTAHDNLLTEQIHSLSIEAKSKDVKIEVLQNELDDVQLQFSEQSTLIRLSQSLQNKES  
 EVLEGAERVRHISKVEELSQALSQKELEITKMDQLLLEKKRDVETLQQTIEEKDQVTEISFSMTEK  
 MVQLNEEFSLGVEIKTLKEQLNLLSRAEEAKKEQVEEDNEVSSGLKQNYDEMPAGQISKEELQHEFDLLK  
 KENEQRKRKLQAALINRKELLQVRVSRLEEEELANLKDESKKEIPLSETERGEVEEDKENKEYSEKCVTSK  
 CQEIEIYLKQTI SEKEVELQHIRKDL EELKAAEEQFQALVKQMNQTLQDKTNQIDLLQAEISENQAI IQKL  
 ITSNTDASDGDVALVKETVVISPPCTGSSEHWKPELEEKILALEKEKEQLQKQLQEALTSRKA I LKKAQ  
 EKERHLREELKQKDDYNRLQEQFDEQSKENENIGDQLRQLQIQVRESIDGKLPSTDDQESCSSTPGL  
 EEP LFKATEQHHTQPVLESNLCPDWP SHSADASALQGGT SVAQIKALKEIEAEKVELELKVSTTSELTKK  
 SEEVFQLQEINKQGLEIESLKTVSHEAEVHAESLQKLESSLQIAGLEHLRELQPKLDELQKLSKKE  
 EDVSYLSGQLSEKEAALTKIQTEIEEQEDLIKALHTQLEMQAKEHDERIKQLQVELCEMKQKPEEIG  
 EESRAKQTIQRKLQAALISRKEALKENKSLQEELSLARGTIERLTKSLADVESQVSAQNKEDTVLGRLL  
 ALLQ EERDKLITEMDRSLEENQSLSSCESLKLAL EGLTEDKEKLVKEIESLKS SKIAESTEWQEKH  
 KELQKEY EILLQSYENVSNEAERIQHVVEAVRQEKQELYGKLRSTEANKKETEKQLQEAQEMEEM  
 KEKMRKFAKSK QQKILELEEEENDRLRAEVHPAGDTAKECMETLLSSNASMKEELERVKMEYETL  
 SKKFQSLMSEKDSLSEE VQDLKHQIEGNVSKQANLEATEKHNDQTNVTEEGTQSIPGETEEQD  
 SLSMSTRPTCSESVPSAKSANPAV SKDFSSHDEINNYLQQIDQLKERIAGLEEEKQKNKEFSQ  
 TLENEKNTLLSQISTKDGELKMLQEEVTKMN LLNQQIQEELSRVTKLKETAEEEEKDDLEERL  
 MNQLAELNGSIGNYCQDVTDAQIKNELLESEMKNLKKCV SELEEEKQQLVKEKTKVESEIR  
 KEYLEKIQGAQKEPQGNKSHAKELQELKEKQEVKQLQKDCIRYQEKI SALERTVKALEFVQ  
 TESQKDLEITKENLAQAVEHRKKAQELASFVLLDDTQSEAAARVLADNLKLLKEL QSNKES  
 VKSQMKQKDEDLERRLEQAEKHLKEKKNMQEKL DALRREKVHLEETIGEIQVTLNKKDKVEV  
 QQLQENLDSTVTQLAAFTKSMSSLQDDRDRVIDEAKKWERKFSDAIQSKEEIEIRLKDNC  
 SVLKDQLRQMSI HMEELKINISRLEHDKQIWE SKAQTEVQLQKVCDTLQGENKELLSQL  
 EETRHL YHSSQNELAKLESELK SLKDQLTDLSNSLEKCKEQKGNLEGIIRQQEADIQNSK  
 FSYEQLETDLQASRELSRLEHEEINMKEQKII SLLSGKEEAIQVAIAELRQHDKEIKEL  
 ENLLSQEEEEINVLEENKKAVDKTNQLMETLKTIKKENIQQ KAQLDSFVKSMSSLQND  
 RDRIVGDYQQL EERHL SIILEKDQLIQEAAAENNKLEEIRGLRSHMDDLNSE NAKL  
 DAELIQYREDLNQVITIKDSQKQLLEVQLQONKELENKYAKLEEKLESEANEDLRRSF  
 NALQE EKQDLSKEIESLKVSIQLTRQVTALQEEGTGLYHAQLKVKEEIVHRLSALFSSQ  
 KRIAELEELVCV QKEAAKKVGEIEDKLLKELKHLHHDAGIMRNETETAERVAELARDL  
 VEMEQLLMVTKENKGLTAQIQS FGRSMSSLQNSRDHANEELDELKRKYDASLKEAQL  
 KEQGLLNRRERDALLSETAFSMNSTEENSLSHLEK LNQQLSKDEQLLHLSSQLEDSY  
 NQVQSF SKAMASLQNERDHLWNELEKFRKSEEGKQRSAAQPSTSPAE VQSLKAMSSL  
 QNDRDRLKELKNLQQYQLQINQEITELHPLKAQLQEYQDKTKAFQIMQEELRQENL  
 SW QHELHQLRMEKSSWEIHERRMKEQYLMASDKDQQLSHLQNLIRELRSSSSQTQPL  
 KVQYQRQASPETA SPDGSQNLVYETELLRTQLNDSLKEIHQKELRIQQLNSNFSQL  
 LEKNTLSIQLCDTSQSLRENQHYGD LLNHCVALEKQVQELQAGPLNIDVAPGAPQEK  
 NGVHRKSDPEELREPQQSFSEAQQQLCNTRQEVNELRKLLEEERDQRVAANALSVA  
 EEQIRRLHSEWDSRTPIIIGSCGTQEALLIDLTNSCRTRRSRGVWKRY LRS  
 LCHSRTRVPLLAAYFLMIHVLLILCFTGHL

TRTRPLE - GFP Tag - V

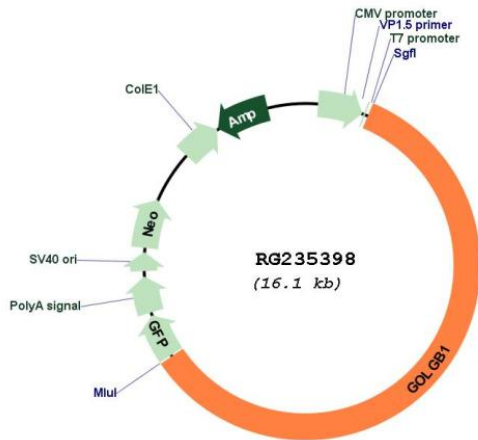
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM\_001256488

ORF Size: 9552 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001256488.1, NP_001243417.1</u>
<b>RefSeq Size:</b>	11133 bp
<b>RefSeq ORF:</b>	9555 bp
<b>Locus ID:</b>	2804
<b>UniProt ID:</b>	<u>Q14789</u>
<b>Cytogenetics:</b>	3q13.33
<b>Protein Families:</b>	Transcription Factors, Transmembrane
<b>Gene Summary:</b>	May participate in forming intercisternal cross-bridges of the Golgi complex.[UniProtKB/Swiss-Prot Function]