

Product datasheet for **SC332395**

Giantin (GOLGB1) (NM_001256486) Human Untagged Clone

Product data:

| | |
|----------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Giantin (GOLGB1) (NM_001256486) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Giantin |
| Synonyms: | GCP; GCP372; GOLIM1 |
| Vector: | pCMV6-Entry (PS100001) |
| Fully Sequenced ORF: | >SC332395 representing NM_001256486. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

```

ATGCTGAGCCGATTATCAGGATTAGCAAATGTTGTTTTGCATGAATTATCAGGAGATGATGACACTGAT
CAGAATATGAGGGCTCCCTAGACCCTGAATTACACCAAGAATCTGACATGGAATTTAATAACTACA
CAAGAAGATGTTCAAGGAGCGCTGGCTTATGCAGAGCAATTGGTGGTGGAGCTAAAAGATATTATTAGA
CAGAAGGATGTTCAACTGCAGCAGAAAGATGAAGCTCTACAGGAAGAGAGAAAAGCTGCTGATAACAAA
ATTAATAAACTAAACTTCATGCGAAGGCCAAATTAACCTCTTTGAATAAATACATAGAAGAAATGAAA
GCACAAGGAGGGACTGTTCTGCCTACAGAACCTCAGTCAGAGGAGCAACTTTCCAAGCATGACAAGAGT
TCTACAGAGGAAGAGATGAAAATAGAAAAGATAAAACATAAGCTCCAGGAGAAGGAGGAACATATCAGC
ACTTTGCAAGCCAGCTTACTCAGGCACAGGCAGAACACCTGCACAGAGTTCTACAGAGATGGAAGAA
TTTGTAATGATGAAGCAACAGCTCCAGGAGAAGGAAGAATTCATTAGCACTTTACAAGCCCAGCTCAGC
CAGACACAGGCAGAGCAAGCTGCACAGTTGAGTTCCATGCAGCAGGTGGTCCGAGAGAAAGATGCCCGC
TTTGAAACACAAGTTCGTCCTTATGAAGATGAGCTTCTCAGTTAGTAACCCAGGCAGATGTGAAAACA
GAGATGCAACAGAAAATGAGGGTCTGCAAAGGAAGCTTGAGGAACACGAAGAATCCTTGGTGGGCCGT
GCTCAGGTGTTGACTTGCTGCAACAGGAGCTGACTGCTGCTGAGCAGAGAAAACCAAGATTCTCTCAG
CAGTTACAGCAGATGGAAGCTGAGCATAATACTTTGAGGAACACTGTGGAACAGAAAAGAGAGAGTCC
AAGATTCTACTGAAAAGATGGAACCTGAAGTGGCAGAGAGAAAATTATCCTTCCATAATCTGCAGGAA
GAAATGCATCATCTTTAGAACAGTTTGAAGCAAGCAGGCCAAGCCCAGGCTGAACTAGAGTCTCGGTAT
AGTGCTTTGGAGCAGAAGCACAAGCAGAAAATGGAAGAGAAGACCTCTCATATTTTGGAGTCTTCAAAG
ACTGGACAAGAGCTGCAGTCTGCCTGTGATGCTCTAAAGGATCAAATTCAAAGCTTCTCCAAGATAAG
AATGAGCAAGCAGTTCAGTCAGCCAGACCATTAGCAACTGGAAGATCAGCTCCAGCAAAAATCCAAA
GAAATTAGCCAATTTCTAAATAGACTGCCCTTGAACAACATGAAACAGCATCTCAGACTCTTTCCCA
GATGTTTATAATGAGGGCACACAGGCAGTCACTGAGGAGAATATTGCTTCTTGCAGAAGAGAGTGGTA
GAACTAGAGAATGAAAAGGGAGCCTTGCTCCTTAGTTCTATAGAGCTGGAGGAGCTGAAAGCTGAGAA
GAAAAACTGTCTTCTCAGATTACTCTCCTAGAGGCTCAGAATAGAACTGGGGAGGCAGACAGAGAAGTC
AGTGAGATCAGCATTGTTGATATTGCCAACAGAGGAGCTCTTCTGCTGAGGAAAAGTGGACAAGATGTT
CTAGAAAAACATTTTCTCAGAAACATAAAGAATTATCAGTTTTATTGTTGAAAATGAAAGAAGCTCAA
GAGGAAATTCATTTCTTAAATTACAGCTCCAGGGAAAAAGGGCTGAGGAAGCAGATCATGAGGTCTT
GACCAGAAAGAAATGAAACAGATGGAGGGTGAAGGAAATAGCTCCAATTAATGAAAGTATTTCTTGA
GATACAGGGCAAGATTTCCCTTAAATGCCAAATGAAGAGAGCAGTCTCCAGCAGTTGAAAAAGAACAG

```



[View online »](#)

GCGAGCACTGAACATCAAAGTAGAACATCTGAGGAAATATCTTTAAATGATGCTGGAGTAGAATTGAAA
 TCAACAAAGCAGGATGGTGATAAATCCCTTTCTGCTGTACCAGATATTGGTCAGTGCATCAGGATGAG
 TTGAAAGGTTAAAAAGTCAAATTTTGGAGCTCGAGCTAAACTTTCATAAAGCACAAAGAAATCTATGAG
 AAAATTTAGATGAGAAAGCTAAGGAAATTAGCAAACCTAAACCAGTTGATTGAGGAGTTTAAAGAAAAAT
 GCTGACAAACACAGCAGTGCATTCACTGCTTTGTCTGAAGAAAGAGACCAGCTTCTCTCAGGTGAAG
 GAACTTAGCATGGTAACAGAATTGAGGGCTCAGGTAAGCAACTGGAAATGAACCTTGCAGAAGCAGAA
 AGGCAAAGAAGACTTGATTATGAAAGCCAAACTGCCATGACAACCTGCTCACTGAACAGATCCATAGT
 CTCAGCATAGAAGCCAAATCTAAAGATGTGAAAATTGAAGTTTACAGAATGAACGGATGATGTGCAG
 CTTCAAGTTTTCTGAGCAGAGTACCCTGATAAGAAGCCTGCAAAGCCAGCTGCAAAAATAAGGAAAGTGAA
 GTGCTTGAGGGGGCAGAACGTGTAAGGCATATCTCAAGTAAAGTGGAAAGAACTGTCCAGGCTCTTTCA
 CAGAAGGAACTTGAAATAACAAAAATGGATCAGCTCTTACTAGAGAAAAAGAGAGATGTGGAAACCCCTC
 CAACAAACCATCGAGGAGAAGGATCAACAAGTGACAGAAATCAGCTTTAGTATGACTGAGAAAAATGGTT
 CAGCTTAATGAAGAGAAGTTTTCTCTGGGGTTGAAATTAAGACTCTTAAAGAACAGCTAAATTTATTA
 TCCAGAGCTGAGGAAGCAAAAAAGAGCAGGTGGAAGAAGATAATGAAGTTTCTTCTGGCCTTAACAA
 AATTATGATGAGATGAGCCAGCAGGACAAATAAGTAAGGAAGAACTTCAGCATGAATTTGACCTTCTG
 AAGAAAGAAAATGAGCAGAGAAAGAGAAAGCTCCAGGCAGCTCTTATAACAGAAAGGAGCTTCTGCAA
 AGAGTCAGTAGATTGGAAGAAGAATTAGCCAACCTTGAAAGATGAATCTAAGAAAGAAATCCCACTCAGT
 GAGACTGAGAGGGGAGAAGTGGAAAGAAGATAAAGAAAAACAAGAACTACTCAGAAAAATGTGTGACTTCT
 AAGTGCCAAGAAATAGAAATTTATTTAAAAACAGACAATATCTGAGAAAGAAGTGGAACTACAGCATATA
 AGGAAGGATTTGGAAGAAAAGCTGGCAGCTGAAGAGCAATTCAGGCTCTGGTCAACAGATGAATCAG
 ACCTTGCAAGATAAAAACAAACCAATAGATTTGCTCCAAGCAGAAATCAGTGAAAACCAAGCAATATC
 CAGAAGTTAATCACAAGTAACACGGATGCAAGTGATGGGGACTCCGTAGCACTTGTAAAGGAAAACAGTG
 GATAAGTCCACCTTGTACAGGTAGTAGTGAACACTGGAAACCAGAAGTGAAGAAAAGATAAGTGGCC
 CTTGAAAAGAAAAGGAGCAACTTCAAAAGAAGCTACAGGAAGCCTTAACCTCCCGCAAGGCAATTTCTT
 AAAAAGGCACAGGAGAAAAGAACATCTCAGGGAGGAGCTAAAGCAACGAAAGATGACTATAATCGC
 TTGCAAGAACAGTTTGTGAGCAAAGCAAGGAAAATGAGAATATTGGAGACCAGCTAAGGCAACTCCAG
 ATTCAGTAAGGGAAATCCATAGACGGAAAACCTCCAAGCAGACACCAGCAGGAATCGTGTCTTCCACT
 CCAGGTTTAGAAGAACCTTTATTCAAAGCCACAGAACAGCATCACACTCAACCTGTTTTAGAGTCCAAC
 TTGTGCCAGACTGGCCTTCTCATTCTGAAGATGCGAGTGCTCTGCAGGGCGGAACTTCTGTTGCCAG
 ATTAAGGCCAGCTGAAGGAAATAGAGGCTGAGAAAGTAGAGTTAGAATTGAAAGTTAGTTCTACAACA
 AGTGAGCTTACTAAAAATCAGAAGAGGTATTTCAAGTACAAGAGCAGATAAATAAACAGGGTTTAGAA
 ATCGAGAGTCTAAAGACAGTATCCCATGAAGCTGAAGTCCATGCCGAAAGCCTGCAGCAGAAATTGGAA
 AGCAGCCAACTACAAATTGCTGGCCTAGAACATCTAAGAGAATTGCAACCTAAACTGGATGAACTGCAA
 AAACCTATAAGCAAAAAGGAAGAAGACGTTAGCTACCTTTCTGGACAACCTTAGTGAGAAAGAAGCAGCT
 CTCCTAAAATACAGACAGAGATAATAGAACAAGAAGATTTAATTAAGGCTCTGCATACACAGCTAGAA
 ATGCAAGCCAAAGAGCATGATGAGAGGATAAAGCAGCTACAGGTGGAACCTTTGTGAAATGAAGCAAAAA
 CCAGAAGAGATTGGAGAAGAAAGTAGAGCAAAGCAACAATAACAAGGAAACTGCAAGCTGCCCTTATT
 TCCCGAAAAGAAGCACTAAAAGAAAACAAAAGTCTCCAAGAGGAATTGTCTTTGGCCAGAGGTACCATT
 GAACGTCTACCAAGTCTCTGGCAGATGTGGAAGCCAAGTTTCTGCTCAAAAATAAGAAAAAGATACG
 GTCTTAGGAAGGTTAGCTCTTCTTCAAGAAGAAAAGAGACAAACTCATTACAGAAATGGACAGGTCTTTA
 TTGAAAAATCAGAGTCTCAGCAGCTCCTGTGAAAGTCTAAAACCTAGCTCTAGAGGGTCTTACTGAAGAC
 AAGGAAAAGTTAGTGAAGGAAATGAATCTTTGAAATCTTCTAAGATTGCAGAAAGTACTGAGTGGCAA
 GAGAAACACAAGGAGCTACAAAAAGAGTATGAAATTTCTTCTGCAGTCCTATGAGAATGTTAGTAATGAA
 GCAGAAAGGATTCAGCATGTGGTGGAAAGCTGTGAGGCAAGAGAAAACAAGAAGTGTATGGCAAGTTAAGA
 AGCACAGAGGCAACAAGAAGGAGACAGAAAAGCAGTTGCAGGAAGCTGAGCAAGAAATGGAGGAAATG
 AAAGAAAAGATGAGAAAGTTTGCTAAATCTAACAGCAGAAAATCTAGAGCTGGAAGAAGAGAATGAC
 CGGCTTAGGGCAGAGGTGCACCCTGCAGGAGATACAGCTAAAGAGTGTATGGAAACACTTCTTTCTTCC
 AATGCCAGCATGAAGGAAGAAGCTTGAAGGGTCAAAATGGAGTATGAAACCTTTCTAAGAAGTTTCAG
 TCTTTAATGTCTGAGAAAGACTCTAAGTGAAGAGGTTCAAGATTTAAAGCATCAGATAGAAGGTAAT
 GTATCTAAAACAGCTAACCTAGAGGCCACCGAGAAAACATGATAACCAAACGAATGTCACTGAAGAGGGA
 ACACAGTCTATACCAGGTGAGACTGAAGAGCAAGACTCTCTGAGTATGAGCACAAGACCTACATGTTCA
 GAATCGGTTCCATCAGCGAAGAGTGCCAACCTGCTGTAAGTAAGGATTTCACTCACATGATGAAAT

AATAACTACCTACAGCAGATTGATCAGCTCAAAGAAAAGATTGCTGGATTAGAGGAGGAGAAGCAGAAA
 AACCAAGGAATTTAGCCAGACTTTAGAAAATGAGAAAAATACCTTACTGAGTCAGATATCAACAAAGGAT
 GGTGAACATAAAATGCTTCAGGAGGAAGTAACCAAAATGAACCTGTTAAATCAGCAAAATCCAAGAAGAA
 CTCTCCAGAGTTACCAAATAAGGAGACAGCAGAAGAAGAGAAAAGATGATTTGGAAGAGAGGCTTATG
 AATCAATTAGCAGAACTTAATGGAAGCATTGGGAATTACTGTGAGGATGTTACAGATGCCAAAATAAAA
 AATGAGCTATTGGAATCTGAAATGAAGAACCCTAAAAAGTGTGTGAGTGAATTGGAAGAAGAAAAGCAG
 CAGTTAGTCAAGGAAAAAACTAAGGTGGAATCAGAAAATACGAAAGGAATATTTGGAGAAAAACAAGGT
 GCTCAGAAAAGAACCCGGAATAAAAAGCCATGCAAAGGAACCTTCAGGAACCTGTTAAAAGAAAAACAACAA
 GAAGTAAAGCAGCTACAGAAGGACTGCATCAGGTATCAAGAGAAAATTAGTGCTCTGGAGAGAACTGTT
 AAAGCTCTAGAATTTGTTCAAATGAATCTCAAAAAGATTTGGAATAACCAAAGAAAAATCTGGCTCAA
 GCAGTTGAACACCCGAAAAAGGCACAAGCAGAATTAGCTAGCTTCAAAGTCTGTAGATGACACTCAA
 AGTGAAGCAGCAAGGGTCTAGCAGACAATCTCAAGTTGAAAAAGGAACCTCAGTCAAATAAAGAATCA
 GTTAAAAGCCAGATGAAACAAAAGGATGAAGATCTTGAGCGAAGACTGGAACAGGCAGAAGAGAAGCAC
 CTGAAAGAGAAGAAGAAATGCAAGAGAAAAGTGGATGCTTTGCGCAGAGAAAAAGTCCACTTGAAGAG
 ACAATTGGAGAGATTCAGGTTACTTTGAACAAGAAAGACAAGGAAGTTCAGCAACTTCAGGAAAACCTTG
 GACAGTACTGTGACCCAGCTTGCAGCCTTACTAAGAGCATGTCTCCCTCCAGGATGATCGTGACAGG
 GTGATAGATGAAGCTAAGAAATGGGAGAGGAAGTTTAGTGATGCGATTCAAAGCAAAGAAAGAAGAAATT
 AGACTCAAAGAAGATAATTGCAGTGTTCTAAAGGATCACTTAGACAGATGTCCATCCATATGGAAGAA
 TTAAGATTAACATTTCCAGGCTTGAACATGACAAGCAGATTTGGGAGTCCAAGGCCAGACAGAGGTC
 CAGCTTCAGCAGAAGGTCTGTGATACTCTACAGGGGAAAAACAAGAACCTTTGTCCCAGCTAGAAGAG
 ACACGCCACCTATACCACAGTTCAGAAATGAATTAGCTAAGTTGGAATCAGAACTTAAGAGTCTCAA
 GACCAGTTGACTGATTTAAGTAACTCTTAGAAAAATGTAAAGAACAAAAAGGAACTTGAAGGGATC
 ATAAGGTCAGCAAGAGGCTGATATTTCAAATTTAAGTTCAAGTTCAAGTTAATGAACAACCTGGAGACTGATCTCAG
 GCCTCCAGAGAAGTACCAGTAGGCTGCATGAAGAAATAAATATGAAAGAGCAAAAAGATTATAAGCCTG
 CTTTCTGGCAAGGAAGAGGCAATCCAAGTAGCTATTGCTGAACTGCGTCAGCAACATGATAAAGAATT
 AAAGAGCTGGAACCTGCTGTCCAGGAGGAAGAGGAGAATATTGTTTTAGAAGAGGAGAACAACAAAG
 GCTGTTGATAAAACCAATCAGCTTATGGAACACTGAAAACCATCAAAAAGGAAAAACATTGAGCAAAAG
 GCACAGTTGGATTCTTTGTTAAATCCATGTCTTCTCTCCAAAATGATCGAGACCGCATAGTGGGTGAC
 TATCAACAGCTGGAAGAGCGACATCTCTATAATCTTGAAAAAGACCAACTCATCAAGAGGCTGCT
 GCAGAGAATAAATAGCTTAAAGAAGAAATACGAGGCTTGAGAAGTCATATGGATGATCTCAATTCTGAG
 AATGCCAAGCTAGATGCAGAACTGATCCAATATAGAGAAGACCTGAACCAAGTGATAACAATAAAGGAC
 AGCCAACAAAAGCAGCTTCTGAAAGTCAACTTCAGCAAAATAAAGGAGCTGGAATAAATATGCTAAA
 TTAGAAGAAAAGCTGAAGGAATCTGAGGAAGCAATGAGGATCTGCGGAGGTCCTTTAATGCCCTACAA
 GAAGAGAAAACAGATTTATCTAAAGAGATTGAGAGTTGAAAGTATCTATATCCCAGCTAACAAGACAA
 GTAACAGCCTTGAAGAAGAAGGTAAGTTAGGACTCTATCATGCCAGTTAAAAGTAAAAGAAGAAGAG
 GTACACAGGTTAAGTGCTTTGTTTTCTCTCTCAAAAAGAGAATTGCAGAACTGGAAGAAGAATTGGTT
 TGTGTTCAAAGGAAGCTGCCAAGAAGGTAGGTGAAATGAAGATAAACTGAAGAAGAATTAAAGCAT
 CTTATCATGATGCAGGATAATGAGAAATGAACTGAAACAGCAGAAGAGAGAGTGGCAGAGCTAGCA
 AGAGATTTGGTGGAGATGGAACAGAAATTAAGTCAAGTCAACCAAGAAAAATAAAGTCTCACAGCACAA
 ATTCAGTCTTTTGAAGGTCTATGAGTTCTTGCAAAATAGTAGAGATCATGCCAATGAGGAACCTTGAT
 GAACTGAAAAGGAAATATGATGCCAGTCTGAAGGAATTGGCACAGTTGAAAGAACAGGGACTCTTAAC
 AGAGAGAGAGATGCTCTTCTTCTGAAACCGCCTTTTCAATGAACTCCACTGAGGAGAATAGCTGTCT
 CACCTTGAGAACTTAACCAACAGCTCCTATCCAAAGTAGAGCAATTGCTTCACTTGCTCACAACCTA
 GAAGATTCTTATAACCAAGTGCAGTCTTTTCCAAGGCTATGGCCAGTCTGCAGAATGAGAGAGATCAC
 CTGTGGAATGAGCTGGAGAAATTTGAAAGTCAAGGAAGGGAAGCAGAGGTCTGCAGCTCAGCCTTCC
 ACCAGCCAGCTGAAGTACAGAGTTTAAAAAAGCTATGTCTTCACTCCAAAATGACAGAGACAGACTA
 CTGAAGGAATTGAAGAATCTGCAGCAGCAATACTTACAGATTAATCAAGAGATCACTGAGTTACATCCA
 CTGAAGGCTCAACTTCAGGAGTATCAAGATAAGACAAAAGCATTTCAGATTATGCAAGAAGAGCTCAGG
 CAGGAAAACCTCTCTGGCAGCATGAGTGCATCAGCTCAGGATGGAGAAGAGTTCTGGGAAATACAT
 GAGAGGAGAATGAAGGAACAGTACCTTATGGCTATCTCAGATAAAGATCAGCAGCTCAGTCATCTGCAG
 AATCTTATAAGGGAAATTGAGGTCTTCTTCTCCAGACTCAGCCTCTCAAAGTGCATACCAAAGACAG
 GCATCCCCAGAGACATCAGCTTCCCAGATGGGTCACAAAATCTGGTTTATGAGACAGAACTTCTCAGG

ACCCAGCTCAATGACAGCTTAAAGGAAATTCACCAAAAGGAGTTAAGAATTCAGCAACTGAACAGCAAC
 TTCTCTCAGCTACTGGAAGAGAAAAACCCCTTTCCATTCAGCTCTGCGATACCAGTCAGAGTCTTCGT
 GAGAACCAGCAGCACTATGGTGACCTTTTAAATCACTGTGCGAGTCTGGAGAAGCAGGTTCAAGAGCTG
 CAGGCGGTGAGTAAAGAGAAGGGGCCACTAAATATAGATGTTGCTCCAGGAGCTCCCCAGGAAAAGAAAT
 GGAGTTCACAGAAAGAGTGACCCCTGAGGAACTAAGGGAACCGCAGCAAAGCTTTTCTGAAGCTCAGCAG
 CAGCTATGCAACACCAGACAGGAAGTGAATGAATTAAGGAAGCTGCTGGAAGAAGAACGAGACCAAAGA
 GTGGCTGCTGAGAATGCTCTCTCTGTGGCCGAGGAGCAGATCAGACGGTTAGAGCACAGTGAATGGGAC
 TCTTCCCGACTCTATCATTGGCTCCTGTGGCACTCAGGAGCAGGCACTGTTAATAGATCTTACAAGC
 AACAGTTGTCGAAGGACCCGGAGTGGCGTTGGATGGAAGCGAGTCTGCGTTCACTCTGTATTACCGG
 ACCCGAGTGCCACTTCTAGCAGCCATCTACTTTCTAATGATTCATGTCCTGCTCATTCTGTGTTTTACG
 GGCCATCTATAG

| | |
|-------------------------------|---|
| Restriction Sites: | Sgfl-Mlul |
| ACCN: | NM_001256486 |
| Insert Size: | 9810 bp |
| OTI Disclaimer: | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| 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: | <ol style="list-style-type: none"> 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. |
| RefSeq: | <u>NM_001256486.1</u> |
| RefSeq Size: | 11243 bp |
| RefSeq ORF: | 9810 bp |
| Locus ID: | 2804 |
| UniProt ID: | <u>Q14789</u> |
| Cytogenetics: | 3q13.33 |
| Protein Families: | Transcription Factors, Transmembrane |
| MW: | 377.1 kDa |
| Gene Summary: | <p>May participate in forming intercisternal cross-bridges of the Golgi complex.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p> |