

Product datasheet for SC117336

Giantin (GOLGB1) (NM_004487) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Giantin (GOLGB1) (NM_004487) Human Untagged Clone
Tag:	Tag Free
Symbol:	Giantin
Synonyms:	GCP; GCP372; GOLIM1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117336 sequence for NM_004487 edited (data generated by NextGen Sequencing)

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Clone variation with respect to NM_004487.3

646 c=>n;647 a=>n;648 g=>n;1233 g=>a;1236 a=>g;5932 g=>n;5933 a=>n;5934 a=>n

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004487 unedited GCACTATTTGTATACGACTCCTATAGGCGGCCGCGNATTCGGCACCAGGGAAGTGTGCGG TACGGGCTTCCCAGCTGACGTGGCTTGAATTGGGAGGGGGCAGCTGGAGCCTCAGGCG GCAGCGCTTCTAGAAATGCTGAGCCGATTATCAGGATTAGCAAATGTTGTTTTGCATGAA TTATCAGGAGATGATGACTGATCAGAATATGAGGGCTCCCCTAGACCCTGAATTACAC CAAGAATCTGACATGGAATTTAATAACTACTACACAAGAAGATGTTTCAGGAGCGCCTGGCT TATGCAGAGCAATTGGTGGTGGAGCTAAAAGATATTATTAGACAGAAGGATGTTCAACTG CAGCAGAAAGATGAAGCTCTACAGGAAGAGAGAAAAGCTGCTGATAACAAAATTAAGAAA CTAAAACCTTCATGCGAAGGCCAAATTAACCTTCTTTGAATAAATACATAGAAGAAATGAAA GCACAAGGAGGGACTGTTCTGCCTACAGAACCTCAGTCAGAGGAGCAACTTTCCAAGCAT GACAAGAGTTCTACAGAGGAAGAGATGGAATAGAAAAGATAAAACATAAGCTCCAGGAG AAGGAGGAACATAACAGCACTTTGCAAGCCAGCTTACTCAGGCACAGGCAGAACAACT GCACAGAGTTCTACAGAGATGGAAGAATTTGTAATGATGAAGCAACAGCTCCAGGAGAAG GAAGAATTCATTAGCACTTTACAAGCCAGCTCAGCCAGACACAGGCAGAGCAAGCTGCA CAGGTGGTCCGAGAGAAAGAGCCCGCTNTGAAACACAGNTCGTCTTCATGAAGATGAGCT TCTTCAGTTAGTAACCCAGNCAGATGTGAAACCAGAGATGCACAGGTGTGNTGCTAAAA ACTCGNAGAATGACTGTCATTTGGGTAATATTTATCCATCCAGC
Restriction Sites:	NotI-NotI
ACCN:	NM_004487
Insert Size:	10000 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:	NM_004487.1 , NP_004478.1
RefSeq Size:	10300 bp
RefSeq ORF:	9780 bp
Locus ID:	2804
UniProt ID:	Q14789
Cytogenetics:	3q13.33
Domains:	M, Pox_A_type_inc
Protein Families:	Transcription Factors, Transmembrane

Gene Summary:

May participate in forming intercisternal cross-bridges of the Golgi complex.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) uses two alternate in-frame splice sites in the 5' and 3' coding regions, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.