

Product datasheet for **SC321016**

GM130 (GOLGA2) (NM_004486) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GM130 (GOLGA2) (NM_004486) Human Untagged Clone
Tag:	Tag Free
Symbol:	GM130
Synonyms:	GM130
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004486.4

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CGGGATCGCGCTGATGTGGCCCCAACCCCGCCTCCCTCCCGCCCCGCGATGTCCGAAGA
AACCCGACAGAGCAAATTGGCCGACGCAAGAAAAAGTTGAGAGAATATCAGCAGAGGAA
TAGCCCTGGTGTTCCTACAGGAGCGAAAAAGAAGAAGAAAATAAAAAATGGCAGTAACCC
TGAGACAACCACTTCTGGTGGTTGCCACTCACCTGAGGATACACCCAAGGACAATGCTGC
TACTCTACAACCATCTGATGACACCGTGTACCTGGCGGTGTCCCTTCCCTGGTGCCAG
TCTCACTAGCATGGCGGCATCTCAGAATCATGATGCTGACAATGTCCCTAATCTCATGGA
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TCTTGTGTGTGAGTCTGCGACATGTGTCAATGGGGAGGGCCCTGCATCGTCTGCTAACCT
GAAGGATCTGGAGAGCCGTACCAACAGCTAGCCGTAGCCCTGGACTCCAGCTATGTAAC
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CCTGGCTCACACTCAGCATGCTGCCAGGCAGAAAGAAGGAGAGTCTGAAGATCTGGCCAG
CCGCTGCAGTATTCGCGCGCGGTGTGGGAGAGTTGGAGCGGGCTCTCTGCTGTCTC
CACGCAGCAGAAGAAGGCAGACAGGTACAACAAGGAGTTAACCAAGAGAGAGACGCCCT
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GGAGGGTCTGGCAGGACAGCTTCAAGCCAGGTGCAAGACAATGAGGGCTTGAGTCGCT
GAACCGGGAGCAGGAGGAGGCTGCTGGAGCTGGAGCGGGCGCCGAGCTCTGGGGGA

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GCAGGCGGAGGCGCGCAGGCAAATCCTGGAGACCATGCAGAACGACCGCACTACCATCAG
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 CAAGAGGGAGCTGGGAAAGAAGCTGGGCGAGCTGCAGGAGAAGCTGAGCGAGCTGAAGGA
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 TACCTAGCAGAGGTTGGAGCTGGCACATGGGGAGGAGGTTCTAATAATTTTGGGGCTG
 GGAAACTTATTTATTGATAGCATAGGACAGAGGAAGGAGGCGGGATGGGGTCTGGCGC
 CCTGGTATGCGACTCCTGTTTATTTGCTTTTTATTTTCGGAATAAATGGATTTAGCCAT
 AA

Restriction Sites: Please inquire

ACCN: NM_004486

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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.

RefSeq: [NM_004486.4](#), [NP_004477.3](#)

RefSeq Size: 4304 bp

RefSeq ORF: 3009 bp

Locus ID: 2801

UniProt ID: [Q08379](#)

Cytogenetics: 9q34.11

Domains: M

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 cisternae (flattened membrane sacs). Interactions between the Golgi and microtubules are thought to be important for the reorganization of the Golgi after it fragments during mitosis. This gene encodes one of the golgins, a family of proteins localized to the Golgi. This encoded protein has been postulated to play roles in the stacking of Golgi cisternae and in vesicular transport. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of these variants has not been determined. [provided by RefSeq, Feb 2010]