

Product datasheet for **RC221387**

GOLGA3 (NM_005895) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GOLGA3 (NM_005895) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GOLGA3
Synonyms:	GCP170; MEA-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC221387 representing NM_005895 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC221387 representing NM_005895
Red=Cloning site Green=Tags(s)

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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8042_e04.zip

Restriction Sites: SgfI-MluI

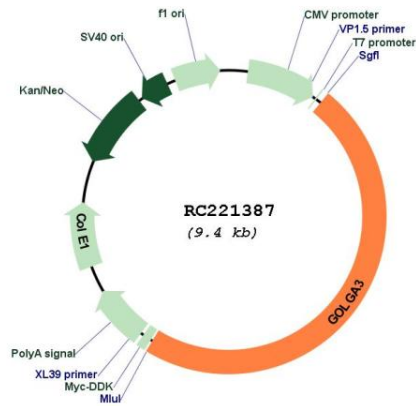
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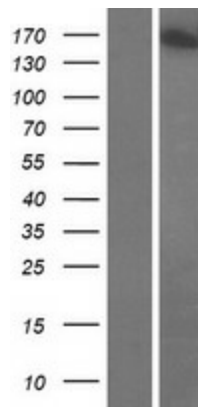
ACCN: NM_005895

ORF Size:	4494 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.
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:	NM_005895.4
RefSeq Size:	6956 bp
RefSeq ORF:	4497 bp
Locus ID:	2802
UniProt ID:	Q08378
Cytogenetics:	12q24.33
MW:	167.2 kDa
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 a member of the golgin family of proteins which are localized to the Golgi. Its encoded protein has been postulated to play a role in nuclear transport and Golgi apparatus localization. Several alternatively spliced transcript variants that encode different protein isoforms have been described for this gene. [provided by RefSeq, Feb 2010]

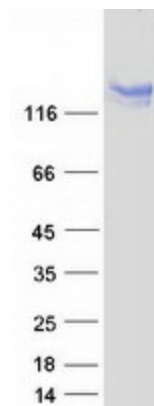
Product images:



Circular map for RC221387



Western blot validation of overexpression lysate (Cat# [LY416980]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221387 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified GOLGA3 protein (Cat# [TP321387]). The protein was produced from HEK293T cells transfected with GOLGA3 cDNA clone (Cat# RC221387) using MegaTran 2.0 (Cat# [TT210002]).