

## Product datasheet for RC212572

### Giantin (GOLGB1) (NM\_004487) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Giantin (GOLGB1) (NM_004487) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Giantin
Synonyms:	GCP; GCP372; GOLIM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212572 representing NM_004487 Red=Cloning site Blue=ORF Green=Tags(s)

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**Protein Sequence:**

>RC212572 representing NM\_004487  
 Red=Cloning site Green=Tags(s)

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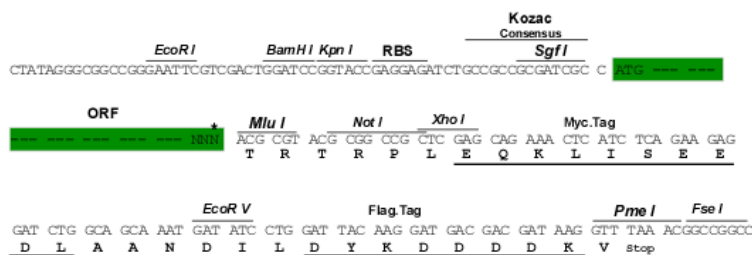
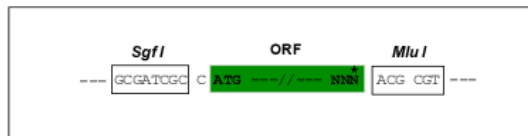
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**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8119\\_a05.zip](https://cdn.origene.com/chromatograms/mk8119_a05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_004487

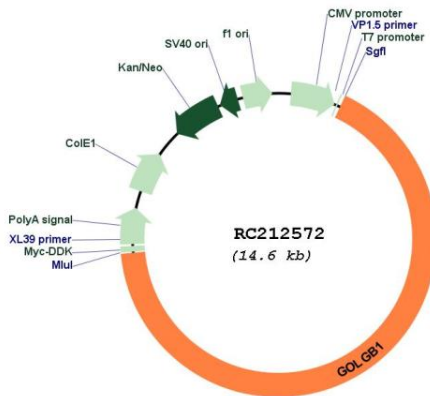
**ORF Size:** 9777 bp

**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><a href="#">NM_004487.5</a></u>
<b>RefSeq Size:</b>	11213 bp
<b>RefSeq ORF:</b>	9780 bp
<b>Locus ID:</b>	2804
<b>UniProt ID:</b>	<u><a href="#">Q14789</a></u>
<b>Cytogenetics:</b>	3q13.33
<b>Domains:</b>	M, Pox_A_type_inc
<b>Protein Families:</b>	Transcription Factors, Transmembrane
<b>MW:</b>	376.5 kDa
<b>Gene Summary:</b>	May participate in forming intercisternal cross-bridges of the Golgi complex.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC212572