

## Product datasheet for RC210076L1

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## GRASP65 (GORASP1) (NM\_031899) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** GRASP65 (GORASP1) (NM\_031899) Human Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: GRASP65

**Synonyms:** GOLPH5; GRASP65; P65

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC210076).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_031899

ORF Size: 1320 bp





### GRASP65 (GORASP1) (NM\_031899) Human Tagged Lenti ORF Clone - RC210076L1

**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.

**RefSeq:** <u>NM 031899.2</u>

 RefSeq Size:
 3789 bp

 RefSeq ORF:
 1323 bp

 Locus ID:
 64689

 UniProt ID:
 Q9BQQ3

 Cytogenetics:
 3p22.2

**Domains:** GRASP55 65

MW: 46.5 kDa

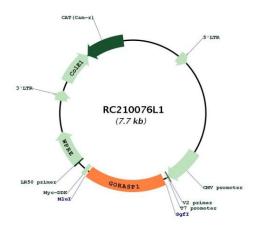
**Gene Summary:** The Golgi complex plays a key role in the sorting and modification of proteins exported from

the endoplasmic reticulum. The protein encoded by this gene is a membrane protein involved in establishing the stacked structure of the Golgi apparatus. It is a caspase-3 substrate, and cleavage of this encoded protein contributes to Golgi fragmentation in apoptosis. This encoded protein can form a complex with the Golgi matrix protein GOLGA2, and this complex binds to the vesicle docking protein p115. Alternative splicing results in

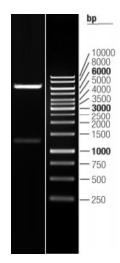
multiple transcript variants of this gene. [provided by RefSeq, Jul 2013]



# **Product images:**



Circular map for RC210076L1



Double digestion of RC210076L1 using Sgfl and Mlul  $\,$