

Product datasheet for RC204855L4

COG2 (NM_007357) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: COG2 (NM_007357) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: COG2

Synonyms: CDG2Q; LDLC

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC204855).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_007357

ORF Size: 2214 bp



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



COG2 (NM_007357) Human Tagged Lenti ORF Clone - RC204855L4

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 007357.1</u>

 RefSeq Size:
 2977 bp

 RefSeq ORF:
 2217 bp

 Locus ID:
 22796

 UniProt ID:
 Q14746

 Cytogenetics:
 1q42.2

Protein Families: Druggable Genome

MW: 83.2 kDa

Gene Summary: This gene encodes a subunit of the conserved oligomeric Golgi complex that is required for

maintaining normal structure and activity of the Golgi complex. The encoded protein

specifically interacts with the USO1 vesicle docking protein and may be necessary for normal

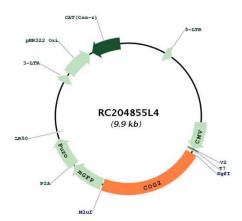
Golgi ribbon formation and trafficking of Golgi enzymes. Mutations of this gene are

associated with abnormal glycosylation within the Golgi apparatus. Alternative splicing results

in multiple transcript variants.[provided by RefSeq, Feb 2009]



Product images:



Circular map for RC204855L4