

### Product datasheet for RC217103L4

#### OriGene Technologies, Inc.

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## Glycophorin C (GYPC) (NM\_016815) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** Glycophorin C (GYPC) (NM\_016815) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Glycophorin C

Synonyms: CD236; CD236R; GE; GE:GPC:GPD:GYPD; GPC; GPD; GYPD; PAS-2; PAS-2'

Mammalian Cell

Selection:

Puromycin

**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(RC217103).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_016815

ORF Size: 327 bp





#### Glycophorin C (GYPC) (NM\_016815) Human Tagged Lenti ORF Clone - RC217103L4

**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 016815.2</u>

 RefSeq Size:
 1019 bp

 RefSeq ORF:
 330 bp

 Locus ID:
 2995

 UniProt ID:
 P04921

**Protein Families:** Druggable Genome, Transmembrane

2q14.3

**MW:** 11.7 kDa

Cytogenetics:

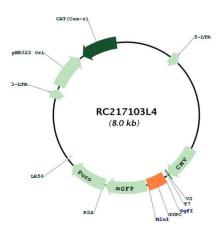
**Gene Summary:** Glycophorin C (GYPC) is an integral membrane glycoprotein. It is a minor species carried by

human erythrocytes, but plays an important role in regulating the mechanical stability of red cells. A number of glycophorin C mutations have been described. The Gerbich and Yus phenotypes are due to deletion of exon 3 and 2, respectively. The Webb and Duch antigens, also known as glycophorin D, result from single point mutations of the glycophorin C gene. The glycophorin C protein has very little homology with glycophorins A and B. Alternate

splicing results in multiple transcript variants. [provided by RefSeq, Feb 2012]



# **Product images:**



Circular map for RC217103L4