

Product datasheet for RC215362L4

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OriGene Technologies, Inc.

GRB7 (NM_005310) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: GRB7 (NM_005310) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: GRB7

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 or

Sequence:

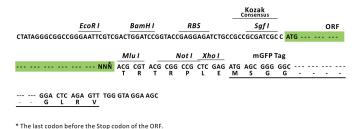
ACCN:

The ORF insert of this clone is exactly the same as(RC215362).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





NM_005310

ORF Size: 1596 bp



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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 005310.2</u>

RefSeq Size:2260 bpRefSeq ORF:1599 bpLocus ID:2886

UniProt ID: Q14451
Cytogenetics: 17q12

Domains: RA, SH2, PH

Protein Families: Druggable Genome, Embryonic stem cells, Stem cell - Pluripotency

MW: 59.5 kDa

Gene Summary: The product of this gene belongs to a small family of adapter proteins that are known to

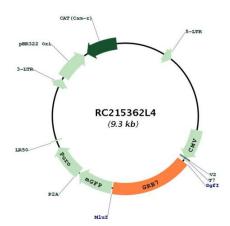
interact with a number of receptor tyrosine kinases and signaling molecules. This gene encodes a growth factor receptor-binding protein that interacts with epidermal growth factor receptor (EGFR) and ephrin receptors. The protein plays a role in the integrin signaling pathway and cell migration by binding with focal adhesion kinase (FAK). Several transcript

variants encoding two different isoforms have been found for this gene. [provided by RefSeq,

Jun 2011]



Product images:



Circular map for RC215362L4