

## Product datasheet for RC209563L2

### OriGene Technologies, Inc.

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# GRP94 (HSP90B1) (NM\_003299) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: GRP94 (HSP90B1) (NM\_003299) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: GRP94

Synonyms: ECGP; GP96; GRP94; HEL-S-125m; HEL35; TRA1

Mammalian Cell None

Selection:

Vector:pLenti-C-mGFP (PS100071)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC209563).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





 $<sup>\</sup>ensuremath{^*}$  The last codon before the Stop codon of the ORF.

**ACCN:** NM\_003299

ORF Size: 2409 bp



## GRP94 (HSP90B1) (NM\_003299) Human Tagged Lenti ORF Clone - RC209563L2

**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 003299.1</u>

 RefSeq Size:
 2879 bp

 RefSeq ORF:
 2412 bp

 Locus ID:
 7184

 UniProt ID:
 P14625

Cytogenetics: <u>P14625</u>

12q23.3

Domains: HSP90, HATPase\_c

Protein Families: Druggable Genome

**Protein Pathways:** NOD-like receptor signaling pathway, Pathways in cancer, Prostate cancer

**MW:** 92.5 kDa

**Gene Summary:** This gene encodes a member of a family of adenosine triphosphate(ATP)-metabolizing

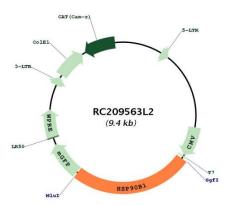
molecular chaperones with roles in stabilizing and folding other proteins. The encoded protein is localized to melanosomes and the endoplasmic reticulum. Expression of this protein is associated with a variety of pathogenic states, including tumor formation. There

protein is associated with a variety of pathogenic states, including tumor formation. There is a microRNA gene located within the 5' exon of this gene. There are pseudogenes for this gene

on chromosomes 1 and 15. [provided by RefSeq, Aug 2012]



# **Product images:**



Circular map for RC209563L2