

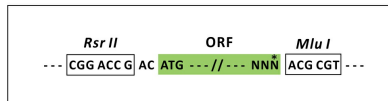
## Product datasheet for RC227882L3

### GPR92 (LPAR5) (NM\_001142961) Human Tagged Lenti ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GPR92 (LPAR5) (NM_001142961) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	GPR92
Synonyms:	GPR92; GPR93; KPG_010; LPA5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC227882).
Restriction Sites:	RsrII-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



```

          Kozak
          Consensus
      EcoRI      BamHI      RBS      SgfI      AscI
CTATAGGGCGGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCCCGCGCATCGCCGCGGCCAGATCT

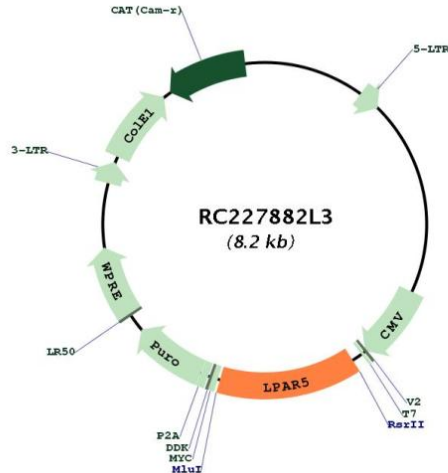
      RsrII      ORF      MluI      NotI      XhoI      Myc.Tag
CAAGCTTAAGTATTAGCGGACCG AC ATG --- NNN ACG CGT ACG CGG CCG CTC GAG CAG AAA CTC ATC
      T R T R P L E Q K L I

          DDK.Tag
TCA GAA GAG GAT CTG GCA GCA AAT GAT ATC CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT TGGGTAGGAAG
S E E D L A A N D I L D Y K D D D K V
  
```

\* The last codon before the Stop codon of the ORF.



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**Plasmid Map:**


**ACCN:** NM\_001142961

**ORF Size:** 1116 bp

**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:** [NM\\_001142961.1](#), [NP\\_001136433.1](#)

**RefSeq Size:** 2695 bp

**RefSeq ORF:** 1119 bp

<b>Locus ID:</b>	57121
<b>UniProt ID:</b>	<a href="#">Q9H1C0</a>
<b>Cytogenetics:</b>	12p13.31
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>MW:</b>	41.3 kDa
<b>Gene Summary:</b>	This gene encodes a member of the rhodopsin class of G protein-coupled transmembrane receptors. This protein transmits extracellular signals from lysophosphatidic acid to cells through heterotrimeric G proteins and mediates numerous cellular processes. Many G protein receptors serve as targets for pharmaceutical drugs. Transcript variants of this gene have been described.[provided by RefSeq, Dec 2008]