

## **Product datasheet for RC216301L3**

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OriGene Technologies, Inc.

## **GALP (NM\_033106) Human Tagged Lenti ORF Clone**

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** GALP (NM\_033106) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: GALP

Mammalian Cell Puromycin

Selection:

Vector:

pLenti-C-Myc-DDK-P2A-Puro (PS100092)

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

ORF Nucleotide

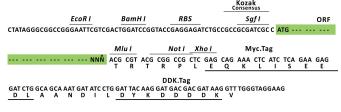
The ORF insert of this clone is exactly the same as(RC216301).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_033106

ORF Size: 348 bp

## GALP (NM\_033106) Human Tagged Lenti ORF Clone - RC216301L3

**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 033106.1</u>

RefSeq Size: 947 bp
RefSeq ORF: 351 bp
Locus ID: 85569
UniProt ID: Q9UBC7

Cytogenetics: 19q13.43

**Protein Families:** Secreted Protein

MW: 12.4 kDa

**Gene Summary:** This gene encodes a member of the galanin family of neuropeptides. The encoded protein

binds galanin receptors 1, 2 and 3 with the highest affinity for galanin receptor 3 and has been implicated in biological processes involving the central nervous system including hypothalamic regulation of metabolism and reproduction. A peptide encoded by a splice variant of this gene, termed alarin, has vasoactive properties, displays antimicrobial activity against E. coli, and may serve as a marker for neuroblastic tumors.[provided by RefSeq, Nov

2014]