

### Product datasheet for RC203010L4

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## **GPATCH3** (NM\_022078) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: GPATCH3 (NM\_022078) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: GPATCH3

Synonyms: GPATC3

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)

Sgfl-Mlul

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC203010).

Sequence:

ience.

Restriction Sites: Cloning Scheme:





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

**ACCN:** NM\_022078

ORF Size: 1575 bp





### GPATCH3 (NM\_022078) Human Tagged Lenti ORF Clone - RC203010L4

**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 022078.1</u>

 RefSeq Size:
 2145 bp

 RefSeq ORF:
 1578 bp

 Locus ID:
 63906

 UniProt ID:
 Q96176

 Cytogenetics:
 1p36.11

**MW:** 59.3 kDa

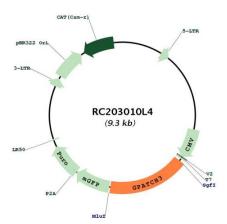
**Gene Summary:** Involved in transcriptional regulation. It is able to activate transcription from the CXCR4

promoter and therefore it might control neural crest cell migration involved in ocular and craniofacial development (PubMed:28397860). Is a negative regulator of immune antiviral response, acting via down-regulation of RIG-I-like receptors signaling and inhibition of type I interferon production. The control mechanism involves interaction with mitochondrial MAVS and inhibition of MAVS assembly with downstream proteins implicated in antiviral response,

such as TBK1 and TRAF6 (PubMed:28414768).[UniProtKB/Swiss-Prot Function]



# **Product images:**



Circular map for RC203010L4