

# Product datasheet for MR222215L3

## OriGene Technologies, Inc.

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## **Gphn (NM\_172952) Mouse Tagged Lenti ORF Clone**

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** Gphn (NM\_172952) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Gphn

**Synonyms:** 5730552E08Rik; Al662856; BC027112; C230040D23; geph; GPH; GPHRYN

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(MR222215).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_172952

ORF Size: 2307 bp



### Gphn (NM\_172952) Mouse Tagged Lenti ORF Clone - MR222215L3

**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 172952.3</u>, <u>NP 766540.2</u>

RefSeq Size: 3307 bp
RefSeq ORF: 2310 bp
Locus ID: 268566
UniProt ID: <u>O8BUV3</u>
Cytogenetics: 12 C3

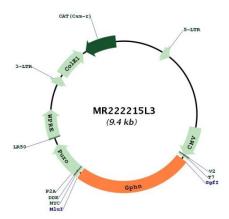
**Gene Summary:** Microtubule-associated protein involved in membrane protein-cytoskeleton interactions. It is

thought to anchor the inhibitory glycine receptor (GLYR) to subsynaptic microtubules. Catalyzes two steps in the biosynthesis of the molybdenum cofactor. In the first step, molybdopterin is adenylated. Subsequently, molybdate is inserted into adenylated

molybdopterin and AMP is released.[UniProtKB/Swiss-Prot Function]



# **Product images:**



Circular map for MR222215L3