

Product datasheet for MR208693L3

Glyr1 (NM_028720) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Glyr1 (NM_028720) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Glyr1

Synonyms: 2810419J22Rik; 3930401K13Rik; AW545332; Npac

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(MR208693).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_028720

ORF Size: 1638 bp



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

Glyr1 (NM_028720) Mouse Tagged Lenti ORF Clone - MR208693L3

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

RefSeq: <u>NM 028720.2</u>, <u>NP 082996.2</u>

 RefSeq Size:
 3347 bp

 RefSeq ORF:
 1641 bp

 Locus ID:
 74022

 UniProt ID:
 Q922P9

Cytogenetics: 16 2.49 cM

Gene Summary: Putative oxidoreductase that is recruited on chromatin and promotes KDM1B demethylase

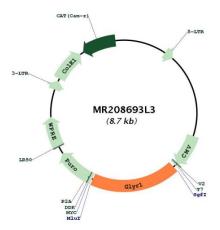
activity. Recognizes and binds trimethylated 'Lys-36' of histone H3 (H3K36me3). Regulates p38 MAP kinase activity by mediating stress activation of p38alpha/MAPK14 and specifically regulating MAPK14 signaling. Indirectly promotes phosphorylation of MAPK14 and activation

of ATF2. The phosphorylation of MAPK14 requires upstream activity of MAP2K4 and MAP2K6.

[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for MR208693L3