

Product datasheet for MR218273L3

Gja8 (NM_008123) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Gja8 (NM_008123) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Gja8

Synonyms: Aey5; Cnx50; Cx50; Lop10

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(MR218273).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.



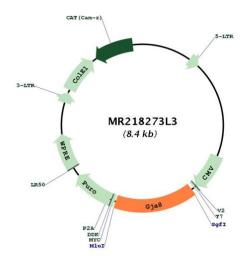
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Plasmid Map:



ACCN: NM_008123 **ORF Size:** 1323 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: <u>NM 008123.2</u>, <u>NP 032149.1</u>

RefSeq Size: 6989 bp RefSeq ORF: 1323 bp



Gja8 (NM_008123) Mouse Tagged Lenti ORF Clone - MR218273L3

 Locus ID:
 14616

 UniProt ID:
 P28236

Cytogenetics: 3

Gene Summary: Structural component of eye lens gap junctions (PubMed:1325220). Gap junctions are

dodecameric channels that connect the cytoplasm of adjoining cells. They are formed by the docking of two hexameric hemichannels, one from each cell membrane (By similarity). Small

molecules and ions diffuse from one cell to a neighboring cell via the central pore

(PubMed:1325220).[UniProtKB/Swiss-Prot Function]