

## **Product datasheet for MR204541L4**

### Lgals8 (NM\_018886) Mouse Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: Lgals8 (NM\_018886) Mouse Tagged Lenti ORF Clone

Tag: mGFP Symbol: Lgals8

**Synonyms:** 1200015E08Rik; Al326142; D13Ertd524e; Lgals-8

Mammalian Cell Puromycin

Selection:

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

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(MR204541).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_018886

ORF Size: 948 bp



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#### Lgals8 (NM\_018886) Mouse Tagged Lenti ORF Clone - MR204541L4

**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 018886.5, NP 061374.1</u>

 RefSeq Size:
 2810 bp

 RefSeq ORF:
 951 bp

 Locus ID:
 56048

 UniProt ID:
 Q9JL15

Cytogenetics: 13 4.64 cM

**Gene Summary:** Beta-galactoside-binding lectin that acts as a sensor of membrane damage caused by

infection and restricts the proliferation of infecting pathogens by targeting them for autophagy. Detects membrane rupture by binding beta-galactoside ligands located on the lumenal side of the endosome membrane; these ligands becoming exposed to the cytoplasm

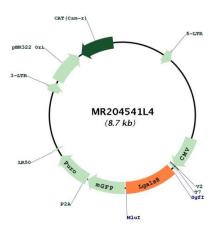
following rupture. Restricts infection by initiating autophagy via interaction with

CALCOCO2/NDP52. Required to restrict infection of bacterial invasion such as S.typhimurium. Also required to restrict infection of Picornaviridae viruses. Has a marked preference for 3'-O-

sialylated and 3'-O-sulfated glycans.[UniProtKB/Swiss-Prot Function]



# **Product images:**



Circular map for MR204541L4