

### Product datasheet for MR202248L4

## Clec4n (NM\_020001) Mouse Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** Clec4n (NM\_020001) Mouse Tagged Lenti ORF Clone

Tag: mGFP Symbol: Clec4n

Synonyms: Clec6a; Clecsf10; Nkcl

Mammalian Cell Puromycin

Selection:

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

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

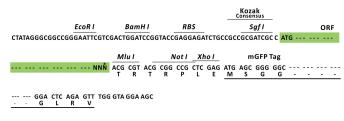
ORF Nucleotide The ORF insert of this clone is exactly the same as(MR202248).

Sequence:

Sgfl-Mlul

Restriction Sites: Cloning Scheme:





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

ACCN: NM\_020001

ORF Size: 627 bp



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#### Clec4n (NM\_020001) Mouse Tagged Lenti ORF Clone - MR202248L4

**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 020001.1</u>

RefSeq Size: 1245 bp
RefSeq ORF: 630 bp
Locus ID: 56620
UniProt ID: Q9JKF4

**Cytogenetics:** 6 58.3 cM

**Gene Summary:** 

alpha-mannans on C.albicans hypheas. Plays an important role in the host defense against C.albicans infection by inducing TH17 cell differentiation. Recognizes also, in a mannose-dependent manner, allergens from house dust mite and fungi, by promoting cysteinyl leukotriene production. Recognizes soluble elements from the eggs of Shistosoma mansoni altering adaptive immune responses. Transduces signals through an Fc receptor gamma

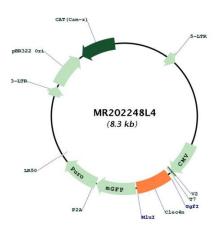
chain /FCER1G and Syk-CARD9-NF-kappa-B-dependent pathway.[UniProtKB/Swiss-Prot

Binds high-mannose carbohydrates in a Ca(2+)-dependent manner. Functional receptor for

Function]



# **Product images:**



Circular map for MR202248L4