

### Product datasheet for MR221828L4

# Cyr61 (NM\_010516) Mouse Tagged Lenti ORF Clone

**Product data:** 

**Product Type: Expression Plasmids** 

**Product Name:** Cyr61 (NM\_010516) Mouse Tagged Lenti ORF Clone

mGFP Tag: Symbol: Cyr61

Al325051; CCN1; lgfbp10 Synonyms:

**Mammalian Cell** Puromycin

Selection:

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

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

The ORF insert of this clone is exactly the same as(MR221828). **ORF Nucleotide** 

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





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

ACCN: NM\_010516

**ORF Size:** 1137 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

#### Cyr61 (NM\_010516) Mouse Tagged Lenti ORF Clone - MR221828L4

**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 010516.2</u>, <u>NP 034646.1</u>

 RefSeq Size:
 2028 bp

 RefSeq ORF:
 1140 bp

 Locus ID:
 16007

 UniProt ID:
 P18406

Cytogenetics: 3 70.18 cM

Gene Summary: Promotes cell proliferation, chemotaxis, angiogenesis and cell adhesion. Appears to play a

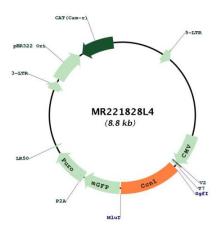
role in wound healing by up-regulating, in skin fibroblasts, the expression of a number of genes involved in angiogenesis, inflammation and matrix remodeling including VEGA-A, VEGA-C, MMP1, MMP3, TIMP1, uPA, PAI-1 and integrins alpha-3 and alpha-5 (By similarity). CCN1-mediated gene regulation is dependent on heparin-binding (By similarity). Down-regulates the expression of alpha-1 and alpha-2 subunits of collagen type-1 (By similarity). Promotes cell adhesion and adhesive signaling through integrin alpha-6/beta-1, cell migration through

integrin alpha-1/beta-5 and cell proliferation through integrin alpha-v/beta-3 (By similarity).

[UniProtKB/Swiss-Prot Function]



## **Product images:**



Circular map for MR221828L4