

## Product datasheet for RR213739L4

## Corin (NM\_182473) Rat Tagged Lenti ORF Clone

## **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** Corin (NM\_182473) Rat Tagged Lenti ORF Clone

Tag: mGFP
Symbol: Corin

Mammalian Cell Puromycin

Selection:

Vector:

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

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

ORF Nucleotide The

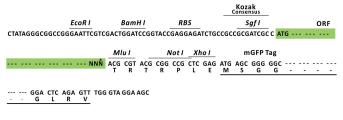
The ORF insert of this clone is exactly the same as(RR213739).

Sequence:

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





\* The last codon before the Stop codon of the ORF.

**ACCN:** NM\_182473

ORF Size: 3333 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

## Corin (NM\_182473) Rat Tagged Lenti ORF Clone - RR213739L4

**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: NM 182473.1, NP 872279.1

 RefSeq Size:
 3645 bp

 RefSeq ORF:
 3336 bp

 Locus ID:
 289596

 UniProt ID:
 <u>Q80YN4</u>

Cytogenetics: 14p11

**Gene Summary:** Serine-type endopeptidase involved in atrial natriuretic peptide hormone (NPPA) processing.

Converts through proteolytic cleavage the non-functional propeptide NPPA into the active hormone, thereby regulating blood pressure in heart and promoting natriuresis, diuresis and vasodilation. Proteolytic cleavage of pro-NPPA also plays a role in female pregnancy by

promoting trophoblast invasion and spiral artery remodeling in uterus. Also acts as a regulator of sodium reabsorption in kidney. May also process pro-NPPB the B-type natriuretic

and the Hailbrook P. Court Formation 1

peptide.[UniProtKB/Swiss-Prot Function]