

Product datasheet for RR215577

Reln (NM_080394) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Reln (NM_080394) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Reln
Synonyms:	Reelen; reeler; RI
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR215577 representing NM_080394 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RR215577 representing NM_080394
 Red=Cloning site Green=Tags(s)

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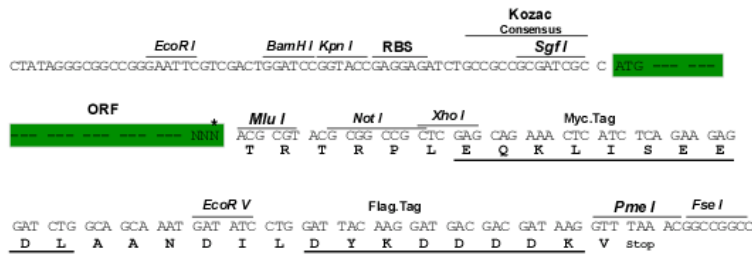
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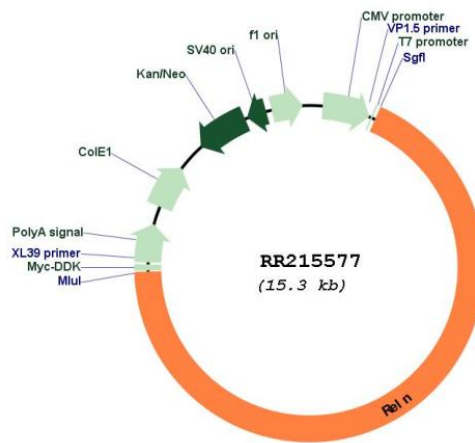
Restriction Sites:
 Cloning Scheme:

Sgfl-MluI

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_080394

ORF Size: 10386 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_080394.2](#), [NP_536319.2](#)

RefSeq Size: 11453 bp

RefSeq ORF: 10389 bp

Locus ID: 24718

UniProt ID: [P58751](#)

Cytogenetics: 4q11

MW: 387.6 kDa

Gene Summary: regulates neuronal cell migration during development; plays a role in locomotor behavior [RGD, Feb 2006]