

Product datasheet for RR205044L3

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com

OriGene Technologies, Inc.

EU: info-de@origene.com CN: techsupport@origene.cn

Kdelr2 (NM_001013122) Rat Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Kdelr2 (NM_001013122) Rat Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Kdelr2

Mammalian Cell Puromycin

Selection:

Vector:

pLenti-C-Myc-DDK-P2A-Puro (PS100092)

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

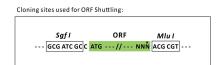
ORF Nucleotide The ORF insert of

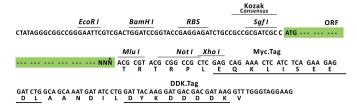
Sequence:

The ORF insert of this clone is exactly the same as(RR205044).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



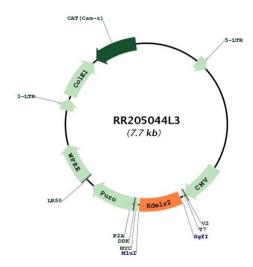


^{*} The last codon before the Stop codon of the ORF.





Plasmid Map:



ACCN: NM_001013122

ORF Size: 636 bp

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 001013122.1</u>, <u>NP 001013140.1</u>

RefSeq Size: 1809 bp



Kdelr2 (NM_001013122) Rat Tagged Lenti ORF Clone - RR205044L3

 RefSeq ORF:
 639 bp

 Locus ID:
 304290

 UniProt ID:
 Q5U305

 Cytogenetics:
 12p11

Gene Summary: Receptor for the C-terminal sequence motif K-D-E-L that is present on endoplasmic reticulum

resident proteins and that mediates their recycling from the Golgi back to the endoplasmic reticulum (By similarity). Binding is pH dependent, and is optimal at pH 5-5.4 (By similarity).

[UniProtKB/Swiss-Prot Function]