

Product datasheet for **RR214641**

Edc4 (NM_001033068) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Edc4 (NM_001033068) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Edc4
Synonyms: LRRG00115; Nrn1l; RGD1309136
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214641 representing NM_001033068
Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RR214641 representing NM_001033068
 Red=Cloning site Green=Tags(s)

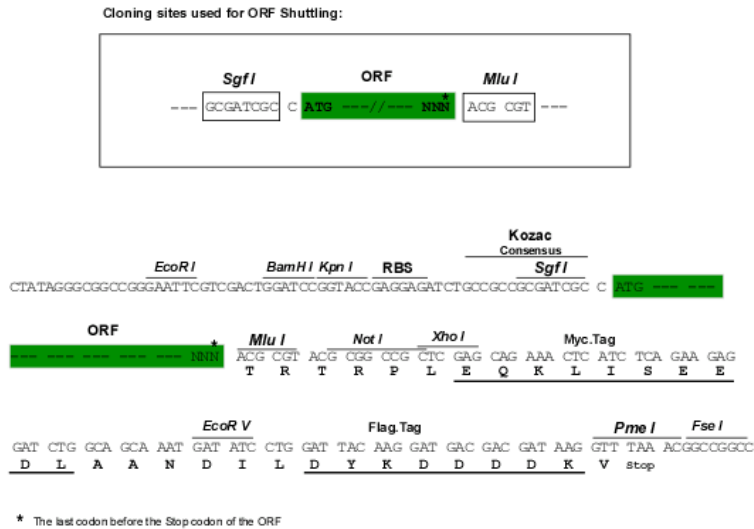
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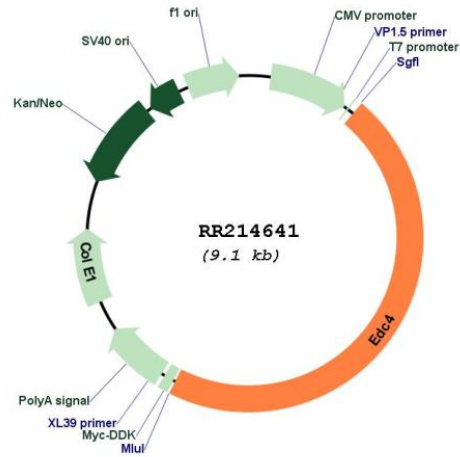
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Restriction Sites:

Sgfi-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001033068

ORF Size: 4221 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: [NM_001033068.3](#), [NP_001028240.3](#)

RefSeq Size: 4741 bp

RefSeq ORF: 4224 bp

Locus ID: 361399

UniProt ID: [Q3ZAV8](#)

Cytogenetics: 19q12

MW: 152.6 kDa

Gene Summary: In the process of mRNA degradation, seems to play a role in mRNA decapping. Component of a complex containing DCP2 and DCP1A which functions in decapping of ARE-containing mRNAs. Promotes complex formation between DCP1A and DCP2. Enhances the catalytic activity of DCP2 (in vitro).[UniProtKB/Swiss-Prot Function]