

Product datasheet for **RR215048**

Gak (NM_031030) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Gak (NM_031030) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Gak
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR215048 representing NM_031030
 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RR215048 representing NM_031030
 Red=Cloning site Green=Tags(s)

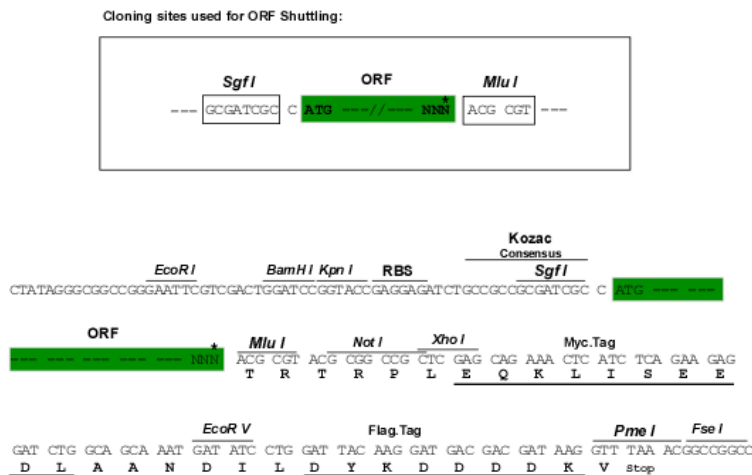
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Restriction Sites:

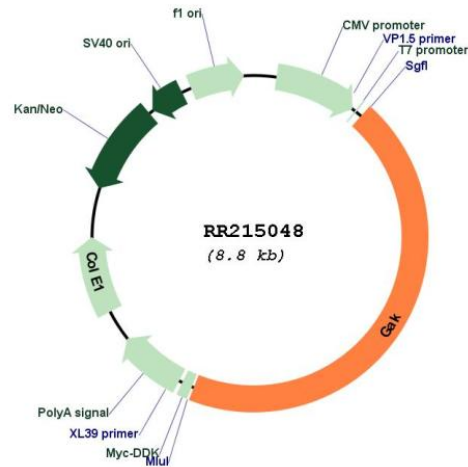
SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_031030

ORF Size: 3915 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_031030.2](#), [NP_112292.1](#)

RefSeq Size: 4453 bp

RefSeq ORF: 3918 bp

Locus ID: 81659

UniProt ID: [P97874](#)

Cytogenetics: 14p22
MW: 143.7 kDa
Gene Summary: may be a serine/threonine protein kinase; may be involved with nucleotide metabolism [RGD, Feb 2006]