

## Product datasheet for **MR201448**

### **C530044N13Rik (BC034347) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C530044N13Rik (BC034347) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** C530044N13Rik  
**Synonyms:** MGC27760  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR201448 ORF sequence  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAGGTCCATTCTACTTCGTCCAAGGCGCAGACACTCAGTTTGGACTGATGAAGGCCTGGTCTCA  
ACTCCCAGTTCTGTACGATGCCTCCAGGTGCCCGCACTGAAGCAGGCCAGGATCACTGGCTGGACCA  
ACAGCTGAACATTGCAGAGCAGAAACAGTGCCAGCAGCCATTGTCTCCAGCATATCCCCTATTCTG  
CAGAGTATTGATGAAGATGACGACTACTCAACCTCACTAAGACCGTCCGTAAGGAACTGGCCGAAAAGC  
TACCAGAGCAGGTATCAGAGCTGTGTTCTCCGGGCACTACCACAGGAATGCCGGGGAACTACCAGAA  
TCTTGACATGGTAGTTTCATCTGCTATCGGGTGCCAGCTGGGCAAAGACACCCACGGGCTCCGTGTGGT  
GCCATCACTGCGGAGAAGATTGTTTCATCGTTACTACAGTTTAGATGAGCTGAGCCAGGGTGGGGTCGAGG  
AGGACCTGAAGGAGCTGCTGAAGGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR201448 protein sequence  
**Red=Cloning site Green=Tags(s)**

MERSILLRPRRRHSVWTDEGLVLNSQFLYDASRCPALKQAQDHWLDQQLNIAEQKQCQHAIVFQHIPLFL  
QSIDEDDDYFNLTKTVRKELAEKLTRAGIRAVFSGHYHRNAGGTYQNLDMMVSSAIGCQLGKDTHGLRVV  
AITAELIVHRYSLDEL SGGVEEDLKELLKE

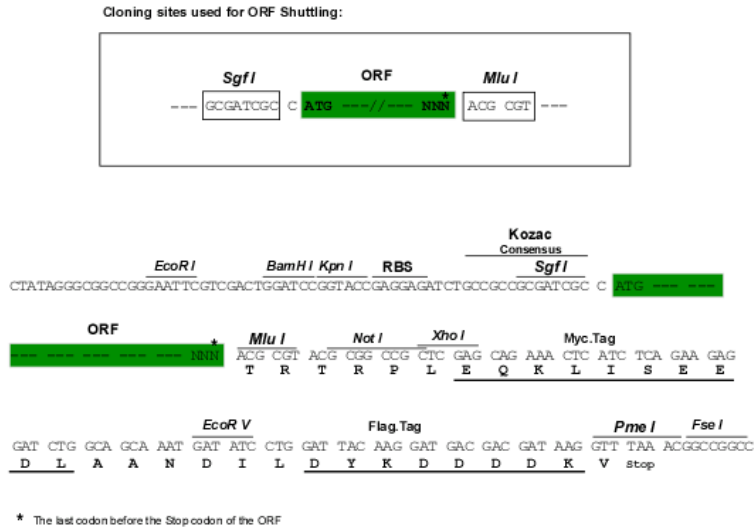
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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Cloning Scheme:

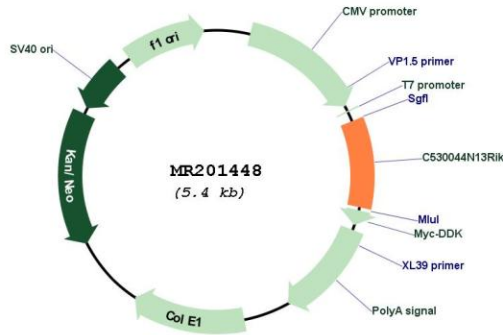


- ACCN: BC034347
- ORF Size: 516 bp
- OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its 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: [BC034347](#), [AAH34347](#)
- RefSeq Size: 2343 bp
- RefSeq ORF: 518 bp
- Locus ID: 223978
- Cytogenetics: 16 A1
- MW: 19.7 kDa

**Gene Summary:**

Protein phosphatase that dephosphorylates AKT family kinase specifically at 'Ser-473', blocking cell cycle progression and promoting cell apoptosis. May play an inhibitory role in glucose uptake by adipocytes (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR201448