

Product datasheet for **RR213359**

Ica1 (NM_030844) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ica1 (NM_030844) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ica1
Synonyms:	Ica69
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR213359 representing NM_030844
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCAGGACACAAATGTTATTCCTGGGAGTTGCAGGATCGGTTTGTCTCAAGATAAGTCAGTTGTCAATA
 AGATGCAACAGAAATATTGGGAAACGAAGCAGGCCTTTATCAAAGCCACAGGGAAGAAGGAAGATGAACA
 TGTCGTTGCTTCTGATGCAGACCTGGATGCCAAGCTAGAGCTGTTTCATTTCGATTAGAGAACTGTTTG
 GACTTGTCTAAAGCAATTGTGCTCTATCAAAGAGAATATGTTTCTTGTCTCAAGAAGAAAATGAACTGG
 GAAAATTTCTCCGATCCCAAGGCTTCCAGGACAAAACCCGAGCAGGAAAAATGATGCAAGCCACAGGAAA
 GGCCCTCTGCTTTTCTCCAGCAAAGGTTGGCCTTGAGAAACCCCTTTGTGTCGATTTACCAAGAAGTA
 GAGACTTTAGACATCGGGCCATCTCCGATACCTGGCTGACAGTGAACCGCATGGAGCAGTGCCGGACAG
 AATATAGAGGGGCGTTATTGTGGATGAAGGACGTGTCTCAGGAACTGGATCCAGACCTCTACAAGCAAT
 GGAGAAGTTCAGGAAGGTACAGACACAAGTCCGCCTCGGAAGAAGAAGCTTTGACAAATTGAAGATGGAT
 GTGTGTCAAAGGTGGATCTTCTTGAGCAAGCAGATGTAACCTCTTATCTCACATGCTAGCAACATATC
 AGACCACTCTGCTCCACTTTTGGGAGAAAACCTTCTCACACCATGGCAGCCATCCATGAGAGCTTCAAAGG
 CTATCAACCATATGAATTCACAACGTTAAAGAGCTTACAAGACCTATGAAAAGCTAGTCGAGAAAAGAA
 AAGAAGAAGAGCTCCCGGAGGAAAACCGGAGGCTGTGGCACAGGAGCCGAGGCAGTTAATTTCAATTGG
 AGGAAGAGAACCAGCACAAAGAATCCTCTACTTGCAGACGGAGGAGGAAAAAGCGTCCCGTCTTCTGT
 AGACAAAAGTTCTGCAGATGATGCATGCTCAGGACCCATAGATGAACTATTAGACGTGAAACCTGAGGAA
 GCTTGCCTGGGTCCCATGGCAGGGACCCAGAACCTGAAAGTGGGACAAGGACGACCTCCTGCTGTTGA
 ACGAGATCTTCAGCACTCCAGCCTGGATGAAGGGGAGTTCAGCAGGGAGTGGCTGCGGTTCGGGACA
 CGACCGGCTGAAGGAACCAAGCCCATGGGGGCCAGGGAGAGCCAGACCCCAAGCCCAAGATAGGCTCT
 GCGTTCCTTCTTACAGCTTTTAGACCAAAACATGAAAGATCTCCAGGCCTCTCTCCAAGAGCCTGCCA
 AGGCTGCCTCGGACCTGACTGCCTGTTTGCAGCCTTTTGTGCTGACCTCGACCCCTATCAAATCCTGATGC
 TATTGGGAAAACCGATAAAGAACACGAATTGCTCAATGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213359 representing NM_030844
 Red=Cloning site Green=Tags(s)

MSGHKCYSWELQDRFAQDKSVVNMQQKYWETKQAFIKATGKKEDEHVVASDADLDAKLELFHSIQRTCL
 DLSKAIIVLYQKRICFLSQEENELGKFLRSQGFQDKTRAGKMMQATGKALCFSSQQLALRNPLCRFHQEV
 ETRHRAISDTWLTVNRMEQCRTEYRGALLWMKDVSQELDPDLYKQMEKFRKVQTVRLAKKNFDLKM
 VCQKVDLLGASRCNLLSHMLATYQTLLHFWEKTSHTMAAIHESFKGYQPYEFTTLKSLQDPMKLLVEKE
 KKKSSRRENREAVAQEPRLISLEEENQHKSSTCQTEEGKSVPSVVDKSSADDACSGPIDELLDVKPEE
 ACLGPMAGTPEPESGDKDLLLLNEIFSTSSLDEGEFSREWAAVFGDDRLKEPAPMGAQGEPPKQIGS
 AFLPSQLLDQNMKDLQASLQEPAKAASDLTAWFSLFADLDPLSNPDAIGKTDKEHELLNA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

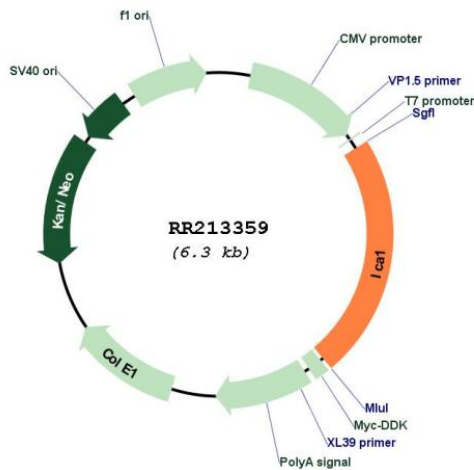
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_030844

ORF Size: 1440 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_030844.2](#), [NP_110471.2](#)

RefSeq Size: 1916 bp

RefSeq ORF: 1443 bp

Locus ID: 81024

Cytogenetics: 4q21

MW: 54.6 kDa

Gene Summary: arfaptin-related protein associated with membrane trafficking at the Golgi complex and immature secretory granules in neurosecretory cells; candidate gene for autoimmune target in type 1 diabetes [RGD, Feb 2006]