

Product datasheet for **RN213359**

Ica1 (NM_030844) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN213359 representing NM_030844
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAGGACACAAATGTTATTCCTGGGAGTTGCAGGATCGGTTTGCTCAAGATAAGTCAGTTGTCATA
 AGATGCAACAGAAATATTGGGAAACGAAGCAGGCCTTTATCAAAGCCACAGGGAAGAAGGAAGATGAACA
 TGTCGTTGCTTCTGATGCAGACCTGGATGCCAAGCTAGAGCTGTTTCATTTCGATTTCAGAGAACCTGTTTG
 GACTTGTCTAAAGCAATTGTGCTCTATCAAAGAGAATATGTTTCTTGTCTCAAGAAGAAAATGAACTGG
 GAAAATTTCTCCGATCCCAAGGCTTCCAGGACAAAACCCGAGCAGGAAAAATGATGCAAGCCACAGGAAA
 GGCCCTCTGCTTTTCTCCAGCAAAGGTTGGCCTTGAGAAACCTTTGTGTCGATTTCCACAAGAAGTA
 GAGACTTTAGACATCGGGCCATCTCCGATACCTGGCTGACAGTGAACCGCATGGAGCAGTGCCGGACAG
 AATATAGAGGGGCGTTATTGTGGATGAAGGACGTGTCTCAGGAACTGGATCCAGACCTCTACAAGCAAT
 GGAGAAGTTCAGGAAGGTACAGACACAAGTCCGCCTCGGAAGAAGAAGCTTTGACAAATTGAAGATGGAT
 GTGTGTCAAAGGTGGATCTTCTTGAGCAAGCAGATGTAACCTCTTATCTCACATGCTAGCAACATATC
 AGACCACTCTGCTCCACTTTTGGGAGAAAACCTTCTCACACCATGGCAGCCATCCATGAGAGCTTCAAAGG
 CTATCAACCATATGAATTCACAACGTTAAAGAGCTTACAAGACCTATGAAAAGCTAGTCGAGAAAAGAA
 AAGAAGAAGAGCTCCCGGAGGAAAACCGGAGGCTGTGGCACAGGAGCCGAGGCAGTTAATTTCAATTGG
 AGGAAGAGAACCAGCACAAAGAATCCTCTACTTGCAGACGGAGGAGGAAAAAGCGTTCCGCTCTTCTGT
 AGACAAAAGTTCTGCAGATGATGCATGCTCAGGACCCATAGATGAACTATTAGACGTGAAACCTGAGGAA
 GCTTGCCTGGGTCCCATGGCAGGGACCCAGAACCTGAAAGTGGGACAAGGACGACCTCCTGCTGTTGA
 ACGAGATCTTACGACTTCCAGCCTGGATGAAGGGGAGTTCAGCAGGGAGTGGGCTGCGGTTCGGGAGA
 CGACCGGCTGAAGGAACCAAGCCCATGGGGGCCAGGGAGAGCCAGACCCCAAGCCCAAGATAGGCTCT
 GCGTTCCTTCTTACAGCTTTTAGACAAAACATGAAAGATCTCCAGGCCTCTCTCAAGAGCCTGCCA
 AGGCTGCCTCGGACCTGACTGCCTGTTTTCAGCCTCTTGTGCTGACCTCGACCCCTATCAAATCCTGATGC
 TATTGGGAAAACCGATAAAGAACACGAATTGCTCAATGCATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_030844

Insert Size: 1443 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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
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]