

## Product datasheet for **MR207669**

### Ica1 (NM\_010492) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ica1 (NM_010492) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ica1
Synonyms:	69kDa; ICA69
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207669 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCAGGACACAAATGTTATTCCTGGGAGTTGCAGGACCGGTTTGTCTAAGATAAGTCAGTTGTCAATA  
 AGATGCAGCAGAAATATTGGGAGACCAAGCAGGCCTTTATCAAAGCCACGGGGAAGAAGGAAGATGAACA  
 TGTGGTTGCTTCTGATGCAGACCTGGATGCCAAGCTGGAGCTGTTTCACTCAATCCAGAGAACTGTCTG  
 GACTTGTCTAAAGCAATCGTGCTCTATCAAAGAGAATATGTTTCTTGTCTCAAGAGGAAAAATGAACTGG  
 GAAAGTTTCTCGATCTCAAGGCTTCCAAGACAAAACCCGAGCAGGAAAAATGATGCAAGCCACGGGCAA  
 GGCCCTCTGCTTTTCTCCAGCAAAGTTGGCCTTGAGAAACCTTTGTGTGATTTACCAAGAAGTA  
 GAAACTTTAGACATCGGGCCATCTCTGATACCTGGCTGACAGTGAACCGCATGGAGCAGTACAGGACAG  
 AATACAGAGGAGCGTTGTTATGGATGAAGGACGTGTCTCAGGAACCTTGATCCAGACCTCTACAAGCAAT  
 GGAGAAGTTCAGGAAGGTGCAGACACAAGTCCGCCTTGCAGAAAAAACTTTGACAAGTTGAAGATGGAT  
 GTGTGTCAAAGGTGGATCTTCTGGAGCAAGCAGATGTAACTCTTATCTCACATGCTAGCAACATAACC  
 AGACCACTCTGCTCCACTTTTGGGAGAAAACTTCTCACACCATGGCAGCCATTATGAGAGCTTCAAAGG  
 TTATCAACCATATGAATTCACAACGTTAAAGAGCTTACAAGACCCATGAAGAAGCTAGTTGAGAAAAGAA  
 GGAAGAAGACCTCTGGAGGAAAAACCGGAGGCTGTGGCACCAGAGCCGAGGCAGTTAATTTCTTTGG  
 AGGATGAGCACAAGATTCATCTACTTATAAGACTGAAGAGGGAACAAGCGTTTTGTCTTCCGTAGACAA  
 AGGTTCTGTACATGACACATGCTCAGGACCCATAGATGAACTATTAGACGGGAAACCCGAGGAAGCATGC  
 CTGGGTCCACGGCAGGGACCCAGAACCTGAAAGTGGGGACAAGGATGACCTCTTGTCTTGAATGAGA  
 TCTTCAGCACTTCTGCCTGGATGAGGGGAGTTCAGCAGAGAGTGGGCTGCAGTGTGGAGATGACCC  
 GCTGAAGGAGCCAGCACCCATGGGAGCCAGGGAGAGCCAGACCCCAAGCCAGATAGGCTCCGGATTC  
 CTTCCATCACAGCTTTTAGACAAAATATGAAAGATCTCCAGGCCTCTCTGCAAGAGCCTGCCAAGGCTG  
 CCTCGGACCTGACTGCCTGGTTCAGCCTCTTGTGACCTCGACCCCTTATCAAACCCTGATGCTGTTGG  
 GAAAACTGATAAAGAACCGAATTGCTCAATGCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207669 protein sequence  
 Red=Cloning site Green=Tags(s)

MSGHKCYSWELQDRFAQDKSVVNKMQQKYWETKQAFIKATGKKEDEHVVASDADLDAKLELFHSIQRTCL  
 DLSKAIIVLYQKRICFLSQEENELGKFLRSQGFQDKTRAGKMMQATGKALCFSSQQRALALRNPLCRFHQEV  
 ETRFRHRAISDTWLVNRMQYRTEYRGALLWMKDVSQELDPDL YKQMEKFRKVQTVRLAKKNFDKLMKD  
 VCQKVDLLGASRCNLLSHMLATYQTLLHFWEKTSHTMAAIHESFKGYQPYEFTTLKSLQDPMKKLVEKE  
 GKKTSWRENREAVAPEPRQLISLEDEHKDSSTYKTEEGTSVLSSVDKGSVHDTCSGPIDELLDGKPEEAC  
 LGPTAGTPEPESGDKDLLLLNEIFSTSLDEGEFSREWAAVFGDDRLKEPAPMGAQGEPPKPKQIGSGF  
 LPSQLLDQNMKDLQASLQEPAKAASDLTAWFSLFADLDPLSNPDAVGKTDKEHELLNA

**TR**TRPLE**QKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_010492

**ORF Size:** 1437 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\\_010492.2](#), [NP\\_034622.2](#)
**RefSeq Size:** 2090 bp

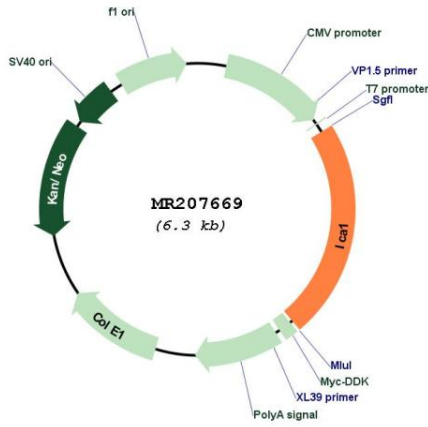
**RefSeq ORF:** 1437 bp

**Locus ID:** 15893

**UniProt ID:** [P97411](#)

Cytogenetics: 6 4.38 cM  
 MW: 54.4 kDa  
 Gene Summary: May play a role in neurotransmitter secretion.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR207669