

## Product datasheet for **MC227793**

### Ica1 (NM\_001252266) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ica1 (NM_001252266) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ica1
Synonyms:	69kDa; ICA69
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC227793 representing NM\_001252266  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCAGGACACAAATGTTATTCCTGGGAGTTGCAGGACCGGTTTGTCTCAAGATAAGTCAGTTGTCAATA  
 AGATGCAGCAGAAATATTGGGAGACCAAGCAGGCCTTTATCAAAGCCACGGGGAAGAAGGAAGATGAACA  
 TGTGGTTGCTTCTGATGCAGACCTGGATGCCAAGCTGGAGCTGTTTCACTCAATCCAGAGAACTGCCTG  
 GACTTGTCTAAAGCAATCGTGCTCTATCAAAGAGAATATGTTTCTTGTCTCAAGAGGAAAAATGAACTGG  
 GAAAGTTTCTCGATCTCAAGGCTTCCAAGACAAAACCCGAGCAGGAAAAATGATGCAAGCCACGGGCAA  
 GGCCCTCTGCTTTTCTCCAGCAAAGTTGGCCTTGAGAAACCTTTGTGTGATTTACCAAGAAGTA  
 GAAACTTTAGACATCGGGCCATCTCTGATACCTGGCTGACAGTGAACCGCATGGAGCAGTACAGGACAG  
 AATACAGAGGAGCGTTGTTGTGGATGAAGGATGTGTCTCAGGAACTTGATCCAGACCTCTACAAGCAAT  
 GGAGAAGTTCAGGAAGGTGCAGACACAAGTCCGCCTTGCAGAAAAAACTTTGACAAGTTGAAGATGGAT  
 GTGTGTCAAAGGTGGATCTTCTGGAGCAAGCAGATGTAACCTCTTATCTCACATGCTAGCAACATACC  
 AGACCACTCTGCTCCACTTTTGGGAGAAAACTTCTCACACCATGGCAGCCATTATGAGAGCTTCAAAGG  
 TTATCAACCATATGAATTCACAACGTTAAAGAGCTTACAAGACCCATGAAGAAGCTAGTTGAGAAAAGAA  
 GGAAGAAGACCTCCTGGAGGAAAACCGGGAGGCTGTGGCACCAGAGCCGAGGCAGTTAATTTCTTTGG  
 AGGATGAGCACAAGATTCATCTGCTTATAAGAGACCCATAGATGAACTATTAGACGGGAAAACCCGAGGA  
 AGCGTGCTGGTCCCACGGCAGGGACCCAGAACCTGAAAGTGGGGACAAGGATGACCTTGTGTTG  
 AATGAGATCTTCAGCACTTCTGCCTGGATGAGGGAGAGTTCAGCAGAGAGTGGGCTGCAGTGTGTTGGAG  
 ATGACCAGCTAAAGGAGCCAGCACCCATGGGGGCCCAAGGAGAGCCAGACCCCAAGCCCAAGATAGGCTC  
 CGGATTCCTTCCGTCACAGCTTTTAGACCAAATATGAAAGATCTCCAGGCCTCTCTGCAAGAGCCTGCC  
 AAGGCTGCCTCGGACCTGACTGCCTGGTTCAGCCTCTTTGCTGACCTCGACCCCTTATCAAACCTGATG  
 CTGTTGGGAAAAGTATAAAGAACGAATTGCTCAATGCATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001252266
- Insert Size:** 1374 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001252266.1](#), [NP\\_001239195.1](#)

**RefSeq Size:** 1614 bp

**RefSeq ORF:** 1374 bp

**Locus ID:** 15893

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

**Cytogenetics:** 6 4.38 cM

**Gene Summary:** May play a role in neurotransmitter secretion.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) lacks an alternate exon in the 3' coding region, compared to variant 1. The resulting protein (isoform 2) is shorter when it is compared to isoform 1.