

Product datasheet for **SC325129**

ICA1 (NM_001136020) Human Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | ICA1 (NM_001136020) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | ICA1 |
| Synonyms: | ICA69; ICAp69 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

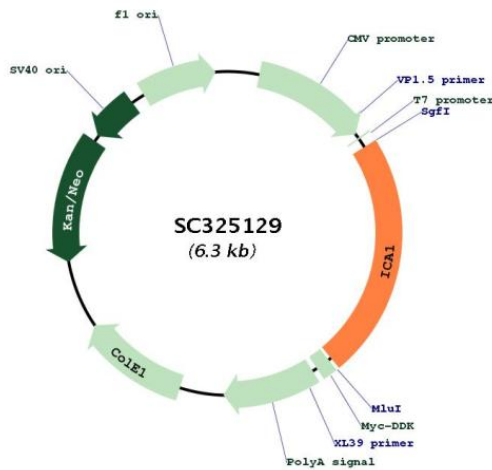
Fully Sequenced ORF: >SC325129 representing NM_001136020.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTCAGGACACAAATGCAGTTATCCCTGGGACTTACAGGATCGATATGCTCAAGATAAGTCAGTTGTA
AATAAGATGCAACAGAAATATTGGGAGACGAAGCAGGCCTTTATTAAGCCACAGGAAGAAGGAAGAT
GAACATGTTGTTGCCTCTGACGCGGACCTGGATGCCAAGCTAGAGCTGTTTCATTCAATTCAGAGAACC
TGCTGGACTTATCGAAAGCAATTGTACTCTATCAAAAGAGGATATGTTTCTTGCTCAAGAAGAAAAC
GAACTGGGAAAATTTCTTCGATCCCAAGGTTTCCAAGATAAAACCAGAGCAGGAAAGATGATGCAAGCG
ACAGGAAAGGCCCTCTGCTTTTCTCCAGCAAAGGTTGGCCTTACGAAATCCTTTGTGTCGATTTAC
CAAGAAGTGGAGACTTTTCGGCATCGGGCCATCTCAGATACTGGCTGACGGTGAACCGCATGGAACAG
TGCAGGACGGAATATAGAGGAGCACTATTATGGATGAAGGACGTGTCTCAGGAGCTTGATCCAGACCTC
TACAAGCAAATGGAGAAGTTCAGGAAGTACAACACAAGTGCGCCTTGCAAAAAAAAAAATTTGACAAA
TTGAAGATGGATGTTTGTCAAAAAGTGGATCTTCTGGAGCGAGCAGATGCAATCTCTTGCTCACATG
CTAGCAACATACCAGACCACTCTGCTTCATTTTGGGAGAAAACCTCTCACACTATGGCAGCCATCCAT
GAGAGTTTCAAAGTTATCAACCATATGAATTTACTACTTTAAAGAGCTTACAAGACCCTATGAAAAAA
TTAGTTGAGAAAAGAGAAGAAGAAAATCAACCAGCAGGAAAGTACAGATGCAGCCGTGCAGGAGCCG
AGCCAATTAATTTCAATAGAGGAAGAAAACCAGCGCAAGGAATCCTCTAGTTTTAAGACTGAAGATGGA
AAAAGTATTTTATCTGCCTTAGACAAAGGCTCTACACATACTGCATGCTCAGGACCCATAGATGAACTA
TTAGACATGAAATCTGAGGAAGTGCTTGCTGGGACCAGTGGCAGGGACCCCGAACCTGAAGTGCT
GACAAAGATGACCTGCTGCTGTTGAGTGAGATCTTCAATGCTTCCCTTGAAGAGGGCGAGTTTCAGC
AAAGAGTGGGCCGCTGTGTTTGGAGACGGCCAAGTGAAGGACCCAGTGCCCACTATGGCCCTGGGAGAG
CCAGACCCCAAGGCCAGACAGGCTCAGGTTTCCCTTCTCGCAGCTTTTAGACCAAAATATGAAAGAC
TTACAGGCCTCGCTACAAGAACCCTGCTAAGGCTGCCTCAGACCTGACTGCCTGGTTCAGCCTCTTCGCT
GACCTCGACCACTCTCAATCCTGATGCTGTTGGGAAAACCGATAAAGAACACGAATTGCTCAATGCA
TGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCG
  
```

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001136020

| | |
|-------------------------------|--|
| Insert Size: | 1452 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: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| 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: | <ol style="list-style-type: none"> 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_001136020.2 |
| RefSeq Size: | 2473 bp |
| RefSeq ORF: | 1452 bp |
| Locus ID: | 3382 |
| UniProt ID: | Q05084 |
| Cytogenetics: | 7p21.3 |
| Protein Pathways: | Type I diabetes mellitus |
| MW: | 54.6 kDa |
| Gene Summary: | <p>This gene encodes a protein with an arfaptin homology domain that is found both in the cytosol and as membrane-bound form on the Golgi complex and immature secretory granules. This protein is believed to be an autoantigen in insulin-dependent diabetes mellitus and primary Sjogren's syndrome. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Feb 2013]</p> <p>Transcript Variant: This variant (3) encodes isoform a. Variants 1, 2, 3, 5, and 6 all encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |