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Product datasheet for SC331064

ICA1 (NM_001276478) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: ICA1 (NM_001276478) Human Untagged Clone

Tag: Tag Free

Symbol: ICA1

Synonyms: ICA69; ICAp69

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

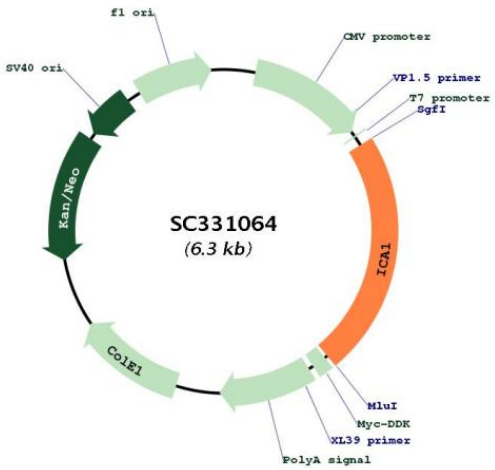
>SC331064 representing NM_001276478.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTCAGGACACAAATGTTATCCCTGGGACTTACAGGATCGATATGCTCAAGATAAGTCAGTTGTAAAT
AAGATGCAACAGAAATATTGGGAGACGAAGCAGGCCTTTATTAAAGCCACAGGGAAGAAGGAAGATGAA
CATGTTGTTGCCTCTGACGCGGACCTGGATGCCAAGCTAGAGCTGTTTCATTCAATTCAGAGAACCTGT
CTGGACTTATCGAAAGCAATTGTACTCTATCAAAAGAGGATATGTTTCTTGTCTCAAGAAGAAAACGAA
CTGGGAAAATTTCTTCGATCCCAAGGTTTCCAAGATAAAACCAGAGCAGGAAAGATGATGCAAGCGACA
GGAAAGGCCCTCTGCTTTTCTTCCCAGCAAAGGTTGGCCTTACGAAATCCTTTGTGTCGATTTCACCAA
GAAGTGGAGACTTTTCGGCATCGGGCCATCTCAGATACTTGGCTGACGGTGAACCGCATGGAACAGTGC
AGGACGGAATATAGAGGAGCACTATTATGGATGAAGGACGTGTCTCAGGAGCTTGATCCAGACCTCTAC
AAGCAAATGGAGAAGTTCAGGAAGGTACAAACACAAGTGCGCCTTGCAAAAAAAAACTTTGACAAATTG
AAGATGGATGTTTGTCAAAAAGTGGATCTTCTTGGAGCGAGCAGATGCAATCTCTTGTCTCACATGCTA
GCAACATACCAGACCACTCTGCTTCATTTTTGGGAGAAAACTTCTCACACTATGGCAGCCATCCATGAG
AGTTTCAAAGGTTATCAACCATATGAATTTACTACTTTAAAGAGCTTACAAGACCCTATGAAAAAATTA
GTTGAGAAAGAAGAGAAGAAGAAAATCAACCAGCAGGAAAGTACAGATGCAGCCGTGCAGGAGCCGAGC
CAATTAATTTCATTAGAGGAAGAAAACCAGCGCAAGGAATCCTCTAGTTTTAAGACTGAAGATGGAAAA
AGTATTTTATCTGCCTTAGACAAAGGCTCTACACATACTGCATGCTCAGGACCCATAGATGAACTATTA
GACATGAAATCTGAGGAAGGTGCTTGCCTGGGACCAGTGGCAGGGACCCCGGAACCTGAAGGTGCTGAC
AAAGATGACCTGCTGCTGTTGAGTGAGATCTTCAATGCTTCCTCCTTGGAAGAGGGCGAGTTCAGCAAA
GAGTGGGCCGCTGTGTTTGGAGACGGCCAAGTGAAGGAGCCAGTGCCCACTATGGCCCTGGGAGAGCCA
GACCCCAAGGCCCAGACAGGCTCAGGTTTCCTTCCTTCGCAGCTTTTAGACCAAAATATGAAAGACTTA
CAGGCCTCGCTACAAGAACCTGCTAAGGCTGCCTCAGACCTGACTGCCTGGTTCAGCCTCTTCGCTGAC
CTCGACCCACTCTCAAATCCTGATGCTGTTGGGAAAACCGATAAAGAACACGAATTGCTCAATGCATGA

Restriction Sites: SgfI-MluI

View online »

Plasmid Map:



ACCN:	NM_001276478
Insert Size:	1449 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_001276478.1
RefSeq Size:	2455 bp
RefSeq ORF:	1449 bp
Locus ID:	3382
UniProt ID:	Q05084

Cytogenetics:	7p21.3
Protein Pathways:	Type I diabetes mellitus
MW:	54.6 kDa
Gene Summary:	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] Transcript Variant: This variant (4) has an alternate first exon (5' UTR) and uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 3. The resulting isoform (b) has the same N- and C-termini but is one aa shorter compared to isoform a. Variants 4, 7, 8, 9, and 10 all encode the same isoform (b). 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.