OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR206882

Ica1l (NM_027407) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Ica1l
Synonyms:	1700030B17Rik; Als2cr15; b2b3465Clo
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>MR206882 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATTCCTCTGAGCAACTCAGAGCAGAAGATAACCAGTCAGTAGTGAGCAGAATGCAGAAGAACTACT
GGAGAACTAAACAAGCCTTTATCAAAGCGACGGGAAAGAAGGAGGACGAGCATGTGGTTGCATCCGATGC
AGAACTGGACGCTAAGTTGGAGGTTTTTCACTCCATCCAGGAGACATGCAATGAACTTGTGAAGATAGTT
GAGAAATACCAGCTAAGACTCAACGTTATATCAGAGGAAGAAAATGAACTAGGACTCTTTTTAAAGTTTC
AAGCAGAGCGGGATTCGACTCAAGCTGGCGAAATGATGGATGCTGCTGGCAAGGCCCTCTGTTCTTCAGC
CAAGCAAAGATTGGCCTTGTGTACTCCCCTGTCTCGTCTTAAGCAAGAAGTGGCAACATTCAGTCAGAGG
GCCATTTCTGACACCTTGGTGACCATTAACCGCATGGAGCGGGCCCGCACAGAGTACAGAGGAGCCCTGC
TGTGGATGAAAGATGCATCGCAGGAACTTGACCCAGACACCTTCAAACAAATGGAAAAGTTCAGAAAAGT
ACAGAATCAAGTGAGAAACAGCAAAGATTCTTTTGACAAGTTAAAGAAGGATGTCTGCCAGAAAGTGGAC
TTGCTGGGAGCTAGTCGCTGCAATATGCTGTCTCACTCACTCACTACCTACCAGAGAACACTGCTTGGGT
TCTGGGAGAAAACAGCTCAGATGATGACCCAAATCCAAGAGGCCTGCGCTGGCTTTCATCCGTACGACTT
CCTGGCTCTCAAGCGACTACAAGACACTCCAGGAAATCTCACTGCAGACTGCACAGAGGGACAAACAGAA
GGCAGTTGTCTCACTACAGACCTCAATAAGGTAGCTTTGTCTGAAGAGGAAGAGGAAGAGAGATTTGAAA
GAGAACCAGCAGTTGCAAGAGCTCTGCCTAGAGACTCACTAGAAGGAGATGATTTTGAGAAAGAATTCTC
ATTTCTGAACAGCCTCCTAAGCCCCACTTCTTCAAGTGCTAGTGAGTTTACACAGGAATGCCAGCCCGCG
TGTGGGAGCCCCTGCACTGGCCTCACATCCCAGGAGCCTTCAGTAGGACCCGGGTCTCTCACTTCCTCCT
CACAGTTCCTTCCTTCACAGCTCTTTGACCTTGGCCTTCACGCTGATGGAGCTTTTAACACCCCCAACAA
TGGTAACCAAGACATGTCAGCCTGGTTCAATCTATTTGCAGACTTGGGTCCGCTCTCAAACCCAGATGCC
ATTGGACACTCAGATGACGAGCTTCTGAATGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

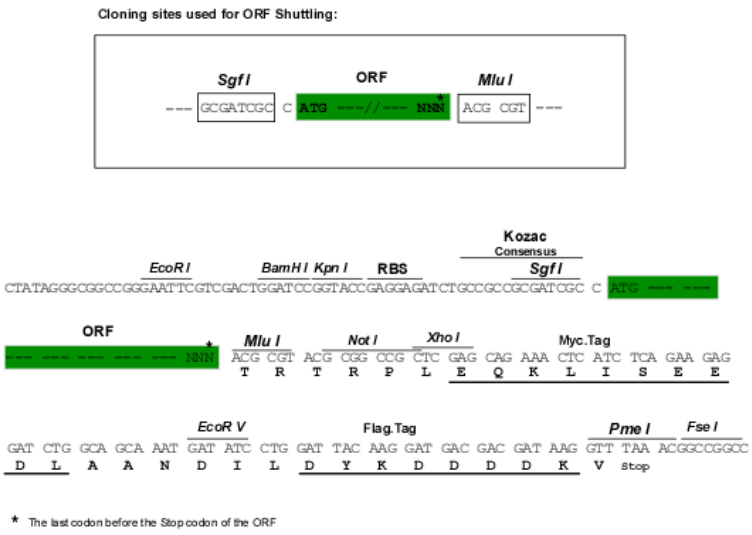
>MR206882 protein sequence
Red=Cloning site Green=Tags(s)

MDSSEQLRAEDNQSVVSRMQKNYWRTKQAFIKATGKKEDEHVVASDAELDAKLEVFHSIQETCNELVKIV
EKYQLRLNVISEEENELGLFLKFQAERDSTQAGEMMDAAGKALCSSAKQRLALCTPLSRLKQEVATFSQR
AISDTLVTINRMERARTEYRGALLWMKDASQELDPDTFKQMEKFRKVQNQVRNSKDSFDKLKKDVCQKVD
LLGASRCNMLSHSLTTYQRTLLGFWEKTAQMMTQIQEACAGFHPYDFLALKRLQDTPGNLTADCTEGQTE
GSCLTTDLNKVALSEEEEEERFEREPAVARALPRDSLEGDDFEKEFSFLNSLLSPTSSSASEFTQECQPA
CGSPCTGLTSQEPSVGPGSLTSSSQFLPSQLFDLGLHADGAFNTPNNGNQDMSAWFNLFADLGPLSNPDA
IGHSDDELLNA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027407

ORF Size: 1293 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:

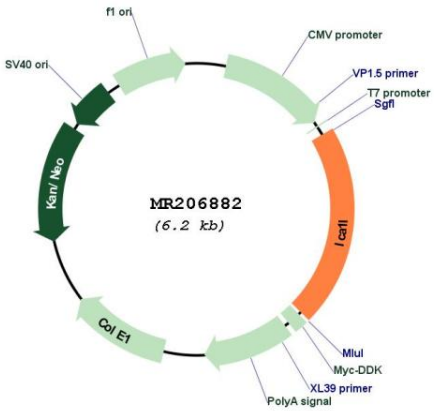
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_027407.2, NP_081683.2

RefSeq Size:	3667 bp
RefSeq ORF:	1296 bp
Locus ID:	70375
UniProt ID:	Q3TY65
Cytogenetics:	1 C2
MW:	48.1 kDa

Product images:



Circular map for MR206882