

Product datasheet for **MR211394**

Ice2 (NM_145618) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ice2 (NM_145618) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ice2
Synonyms:	B230343B06Rik; Narg2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211394 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCTCTAGCATAACCATGAGTGAACCAAGGCTGAACTGGGATGTTACACCAAAAAATGGCCTTAAAG
CATTTTTCTCTCCAGAAAATTATAAGACCATTCCATGGCTCCAAGTTTAAAGAACTCTATATTTTGTCT
TAACAGACGTATAGGAGAAAATTTGAGTGTCTCAGCAAGTTCTGTAGAAAATGAGCCTGCAGTTAGTTCA
GCAACTCAAGCAAAGGAAAAAGTTGGGATGATTCTCCTCCAAAACCACGAGTTCCTTATCCTCGTTTCT
CTCGGTTCTCACAGAGGGAGCAGAGAACTTATGTGGATTTGTTGGCTAAATATGCAAAGCTCCCCTCAAG
TTCCAAGACTGTCGGAACAAATACCAATGAATATCTGCAGTATCTGGATATGAAAAACATGTGAATGAA
GAAGTTAATGAATTTCTAAAGTTTTACAAAATCTGCAAAGAAATGTGCACAGGATTATAATATGCTCT
CTGATGAGGCCGACTCTTCACGGAGCAACTCCTAAGAGCTTGCAATTGAACAAGTGAAAAAGTACCCAGA
ATTTTATACTCTTCATGAAGTTACCAGCCTAATGGGATTCTTCCCTTCAAAACAGAGATGGGACTGAAG
TTGAAAAAGACTCTTCTGTTTTGGGAGTGAAGTTTGTAAAAACAGCATTTCCCTCAATGCCTGTGA
AATTACAGCTCTCAAAAGAGGACATGTCTTCATTGAGACCCACAACAAAAAGCTGAAGTTATGCACTG
TGATATTAGTAAAGACCCGAACGACAGAGAAGCTTGTTTCAAGATACCACCCGAGATAGCTCTGACTAGC
CAAGCATTATTCACCTTGCTCAATAACCATGGACCAAGCTACAAGGAGCAGTGGGAAATTCAGTGTGTG
TTGAGATGATAGCTGTGGAAGTTCCAAACCAGTTAAAGTAATTTATCAATTCTCCACTTCCTCGAAA
GCAAAATGACAATGAGAGAAAGAAATCAAACTCTCCATGAAGTTCCATTAAACATATAATATCAAAAAAC
ACATCTGTTCCAGTCTCTGCTGCTTTATGGACAAACCTGAAGAGTACACCTCTGAGGTGGACATGCCCCA
CTGAAGCTGGTGAAGTCCGAAAAATTGAACTCTGAAAAATTTGGATATGGACTTCGATGGTGATGTCAC
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TGGCACCCTATGCCTGTGGCACCAGCTACACCTGTACACCCACTATGCCATGGCACCAGCTACACC
TGAGGCATCAGCTACACCTAACATTACTGATGATTCTAGAAGTTTATGTCAGATTCTGATGAAACAATTA



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CAGAAGGAGAAACAGCTATTCTCTGGTGTGGAAGGTGGTCTGAAGGGTGCAAAAATAAAGATGATCAAG
 GACTTGAACCATGTGGTGAAGAGGTCCCAAGTCCCAATGCAAAATCTCTAACACAAGATAATGAAGTCCA
 CAGAACTGAGGGAATTTCTAAGGAAAGTGATGTAGGTGTGCTGTGTACCAATGATGAAAGACAGGGTGGT
 CAGGGGAATGCAAAACATCCCAACAACACAGCTACTGCATCAGAAGCAGCTGAAAGTGAGAAAGGGATTC
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 CCTTGGGTCCCATTAGATCCCAGTTACCTGTTACCATATCATATCCATCATGGACGAGTACCTTGCAGT
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 CAGGAATCCTGTCTCCATGGAACCAAAAGCAGTTGCCTGCCTGTTTCAAGGTTGAAAAAAGAGGAGTG
 GCTCGGAATAAAAGGAAAAATAATG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAGGTTTAA

Protein Sequence:

>MR211394 protein sequence
 Red=Cloning site Green=Tags(s)

MSSSITMSEPRNLWDVTPKNGLKAFFSPENYKDHSMAPSLKELYILSNRRIGENLSVSASSVENEPVSS
 ATQAKEKVGMIILLPKPRVPYPRFSRFSQREQRTYVDLLAKYAKLPSSSKTVGNTNEYLQYLDMKKHVNE
 EVNEFLKFLQNSAKKCAQDYNMLSDEARLFTEQLLRACIEQVKKYPEFYTLHEVTSLMGFFPFKTEMGLK
 LEKTLVLGSAKFVKTAFPSPMPVKLQLSKEDMSSIETPQKAEVMHCDISKDPNAEKLVSRYHPQIALTS
 QALFTLLNNHGPSYKEQWEIPVCVEMIAVEGSKPVKVIYINSPLPRQMTMRERNQIFHEVPLKHIISKN
 TSVPVSAVFMKPEEYTSVDMPTEAGECRKIETLENLDMDFDGDVTELETFGVTTTSPRSPSSSDSS
 APLMTDVHAVPKIAAVPLAPATPVAPTMPVAPATPVPTMPMAPATPEASATPNITDDSRSLCQILMKQL
 QKEKQLFSGVEGGPEGCKNKDDQGLEPCGEEVPSANAKSLTQDNEVHRTEGISKESDVGLCTNDERQGG
 QGNANNPNNTATASEAAESEKIPCGSDTDEDCLIIDTESRSCDGKTADLGSRPNSAQAASAGNQATTTV
 SEESCVLKKPIKRVYKFDVPVGEILKMQDELLKPVSRKVPPELPLTNSEESKQPPASEQPSAALDAAPWPK
 SSWPSAFQKPKGRLPYELQDYVEDTSEYIAPQEGNFVYKFLSLQDLLLLVRCSIQRVETRPRSKRKKIR
 RQFPVYVLPKVEYQGCYVEALTESELCRFWTESLLHSNCSFYVGHIDAFTSKLFMLEEIASSELKEKLA
 ALKISSLFNIIHQHILKKLCSLQEGSYLLSHAAEDSSLLIYKTSQKVTTRAYNLHKAHCDLPGVPSSLSV
 PWVPLDPSYLLPYHIIHGRVPCTFPPKPLRPAAQAKVGGTRMPTRNHRNPVSMETKSSCLPVQQVENEGV
 ARNKRKIM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_145618

ORF Size: 2964 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:

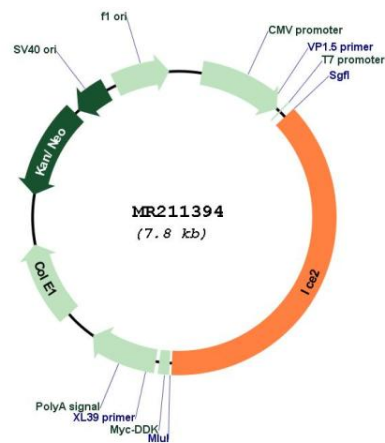
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_145618.3](#), [NP_663593.2](#)

RefSeq Size:	4070 bp
RefSeq ORF:	2967 bp
Locus ID:	93697
UniProt ID:	Q3UZ18
Cytogenetics:	9 C
MW:	109.9 kDa
Gene Summary:	Component of the little elongation complex (LEC), a complex required to regulate small nuclear RNA (snRNA) gene transcription by RNA polymerase II and III.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211394