

Product datasheet for **MR206845**

1110039B18Rik (BC022142) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	1110039B18Rik (BC022142) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	1110039B18Rik
Synonyms:	1110039B18Rik; 4921530J21Rik; AI841294; AU018742; C76280
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206845 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTGGGCCCTGGGGCAAGCGGGTTTCACCAACCTCACTGAGGGACTGAAAGTGTGGCTGGGGATCATGC
 TGCTGTGCTGGGCATCAAGGCTCTGTCTCCCTTTGCCATCGCATACCTGGACCGGCTGCTCCTGATGCA
 TCCCAACCTACCAAAGGCTTTGGCATGATTGGCCCCAAGGACTTCTTCCCCCTTCTGGACTTTGCCTAT
 ATGCCCAACAATTCCTGAGCCCCAGCCTGCAGGAGCAGCTGTGCCAGCTCTTCCCCGATTGAAGGTGC
 TGGCATTGGGGCCAAGCCGGAATCTTCCCTGCACACCTACTTCCCGTCATTCTGTCCAGAGCCACCCC
 TAGCTGTCTGCTGCCATGAAGAAAGAGCTCTGGCCAGCCTGACCCAGTGCCTGACTGTGGACCCCTT
 AGCACTAGTGTCTGGAGACAGCTGTACCCAAGCATCTGTACAGTCCAGCCTGTGCTGGAGCACCTAC
 TCAAGTCTGGGAGCACATCCCAAGAAGGCACGAAATCTTTACAAGAAACCATCCAGTCTTGAAGGT
 TACCAACCAGGAGCTTCTGAAGAAGGGCAGTGGTGGCAGTGAAGTGTCTCACCTGTGACACAGCCTGC
 AAGGGCTTGTGCAACGGGCACGGGGTCTCGGCCACCTGGGCCCGGCTATTCTGTGCTTCTGGTCT
 TTGCACTAGGATTCCTATGTCTGACTTGCAGTCAAACAGCTCTTTCAGGCCTCCCTCACTGGCCGGCT
 GCTTCGATCCTCCGGTCTTTCCTGCTGTTGGCCAGCAAGTGTGTGCGAGACTCTCCTCCTACAGCCTGCAG
 AGCTACAACTGGCTGCAGGAGACCTTGGCAGCCTGTGGCTCCCACCTGCTGTGCTGTGGTACAGCCAGTC
 TGCAGCTGGCCTGGACACACATCTATGCCATATTCAGTTCCTTTCTGCCCACTGTGCCTCCTACCTTGC
 CTGCTTCAGTGATAGCCTGGCTGGCTTCTTTCAGAGGGTCCAGTCCCTGAGGCCCTGCAGCAGCTCTTC
 CAGCCTTGAAGGAAGTCTGCTGCTCTTCTGCCATAGCGTGTGCTGCCACATGGCACTTGTGCTTGC
 CAGCCCTGGCCCAAGTCCAGGAGCATTGCCATGAGGCCTGCAGAGGGGACGTGACCTGGGACTGCATTAA
 GACACAGTTGAGCAGAGCTGCCCAATGGCCTGTGCTGCAGGATGTCACAGTGGCTTTCTTGGAC
 TGGGCACTCACCATGATATCCAGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206845 protein sequence
 Red=Cloning site Green=Tags(s)

MWALGQAGFTNLTEGLKVLGIMLPVLGIKALSPFAIAYLDRLLMHPNLTKGFGMIGPKDFFPLLDFA
 MPNNLSLSPSLQEQLCQLFPRLKVLAFGAKPESSLHTYFPSFLSRATPSCPAAMKKELLASLTQCLTVDPL
 STSVWRQLYPKHLQSLLLLLHLLKSWEHIPPARKSLQETIQSLKVTNQELLKKGGSGGSEHVLTCDTAC
 KGLLQRARGPRPPWARLFLLLLVFAVGFLCHDLRSNSSLQASLTGRLLRSSGLLPVQQVCARLSSYSLQ
 SYNWLQETLPACGSHLLAVVQPSLQLAWTHIYAIIFSFLSAHCASYLACFSDSLAGFFQRVQLPEALQQLF
 HALKELLLLCHSVLLPTWHLALLAALQVQEHCEACRGDVTWDCIKTQLSRAAQWTLCLQDVTVAFLD
 WALTMSQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC022142

ORF Size: 1287 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: [BC022142](#), [AAH22142](#)

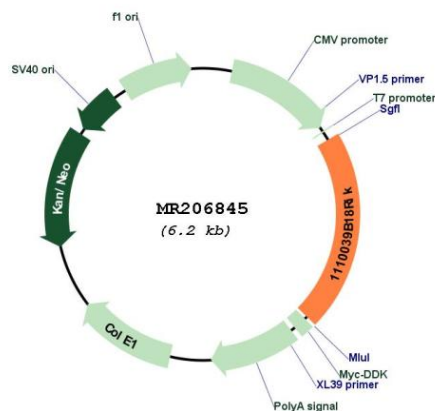
RefSeq Size: 2067 bp

RefSeq ORF: 1289 bp

Locus ID: 68796

Cytogenetics:	5 B1
MW:	47.9 kDa
Gene Summary:	Critical mediator, in cooperation with CASP4, of endoplasmic reticulum-stress induced apoptosis. Required for the activation of CASP4 following endoplasmic reticulum stress (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206845