

Product datasheet for **MR214886**

6030468B19Rik (NM_029964) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	6030468B19Rik
Synonyms:	Il-40; RP23-151N19.6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR214886 representing NM_029964
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGCTCCTTCAGCTGCTCCTCTTTGCCATGCTGGCTGCCTGTGGCTTCTCAGAGGAGCAGACAGAAG
GCATCACCATTGCCTACAAAGTACTGGAAGTTTATCCCAAAGCCGAGGGTGCTTATAACCTGCGATGC
CCCTGAGGCGTCCCAGCCCATCACATACTCTCCTGGCTAGCCGAGGTATCCTGGTGGCAAAAAGGTT
GTGCATGACTCCGTGCCGGCCTCCTCAACATCAATATCACCATCAAGTCCAGCCAGACCTGCTCACCT
ACTCCTGCCAGGCAACCTCGAACTCTGGCACCTATGGACCCAGCAGCAGGCTCCAGATGTACCAGGAACT
GTGGGCTAAGCCAGTGTCTCAGCTGCAGGCTGACTTCGTCTACGCCATGGGGACTCGGGCCCCACTGTG
GAGCTGTCTGCCTGGCATCCTCAGGCAGCCCCCATCACCTACCGCTTGGTGGGAATGGTGGGCGTG
TTCTTGACAGCAAAGGCCACTTCATGGAAAACAGCCAATCTCCCTCCCGCTGTCCAGACCACTGG
TTGGTTCCAGTGCGAAGCTGAAAACGATGTCGGTGTGGACAGCAGTGCCCGCATCCCGCTGCCCGAGCA
GAGGCCGAGCCAAGCTGGTGACCACTCGCAGGGGAGCTGCCCTGACACCCACCTGTATTCTGGCTG
GCAGCCTCGTCTCCATAGCCGTTATTGCTTCCAGGATGCTGAGCTCGACCGGTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>MR214886 representing NM_029964

Red=Cloning site Green=Tags(s)

MALLQLLLFAMLAACGFSEEQTGEGITIAKVLVYPQSRRVLITCDAPEASQPITYSLLASRGILVAKKV
VHDSVPASFNINITIKSSPDLLTYSCQATSNSGTYPSSRLQMYQELWAKPVSQQLQADFVLRHGDSGPTV
ELSCLASSGSPITYRLVGNGGRVLAQQRPLHGKPAFSLPLSQTGWQCEAENDVGVDSSARIPLPRA
EARAKLVTTLAGELPLTPTCILAGSLVSIIVIASRMLSSTGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

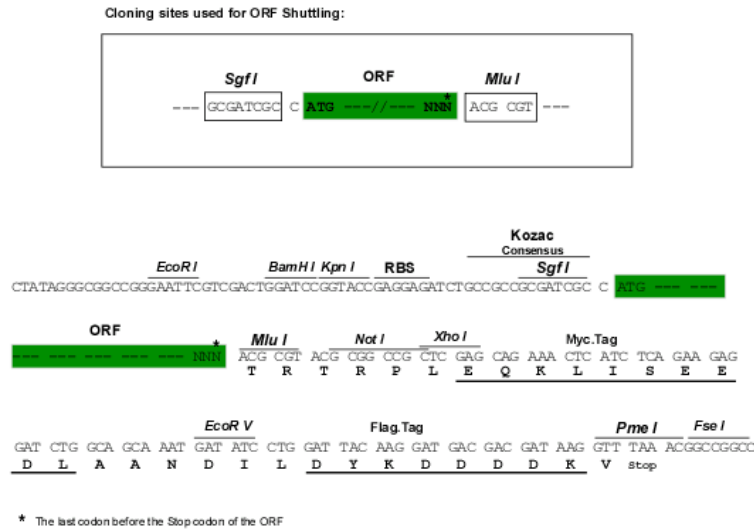
Chromatograms:

https://cdn.origene.com/chromatograms/mm9062_c05.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_029964

ORF Size:

756 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_029964.1](#), [NP_084240.1](#)

RefSeq Size: 1078 bp

RefSeq ORF: 759 bp

Locus ID: 77727

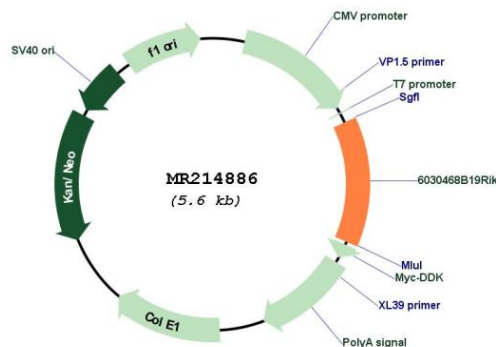
UniProt ID: [Q9CX63](#)

Cytogenetics: 11 E2

MW: 26.9 kDa

Gene Summary: Probable B cell-associated cytokine that plays a role in the regulation of humoral immune responses (PubMed:28978694). Involved in lymphocyte B cell development and immunoglobulin/IgA production (PubMed:28978694).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR214886