

Product datasheet for **MG214886**

6030468B19Rik (NM_029964) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	6030468B19Rik
Synonyms:	Il-40; RP23-151N19.6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214886 representing NM_029964
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGCTCCTTCAGCTGCTCCTCTTTGCCATGCTGGCTGCCTGTGGCTTCTCAGAGGAGCAGACAGAAG
GCATCACCATTGCCTACAAAGTACTGGAAGTTTATCCCAAAGCCGGAGGGTGCTTATAACCTGCGATGC
CCCTGAGGCGTCCCAGCCCATCACATACTCTCCTGGCTAGCCGAGGTATCCTGGTGGCAAAAAGGTT
GTGCATGACTCCGTGCCGGCCTCCTTCAACATCAATATCACCATCAAGTCCAGCCCAGACCTGCTCACCT
ACTCCTGCCAGGCAACCTCGAACTCTGGCACCTATGGACCCAGCAGCAGGCTCCAGATGTACCAGGAAC
GTGGGTAAGCCAGTGTCTCAGCTGCAGGCTGACTTCGTCCTACGCCATGGGGACTCGGGCCCCACTGTG
GAGCTGTCTGCCTGGCATCCTCAGGCAGCCCCCATCACCTACCGCTTGGTGGGGAATGGTGGGCGTG
TTCTTGACAGCAAAGGCCACTTCATGGAAAACAGCCAACCTCTCCCTCCCGCTGTCCAGACCACTGG
TTGGTTCCAGTGCGAAGCTGAAAACGATGTCGGTGTGGACAGCAGTGCCCGCATCCCGCTGCCCCGAGCA
GAGGCCGAGCCAAGCTGGTGACCACCCTCGCAGGGGAGCTGCCCTGACACCCACCTGTATTCTGGCTG
GCAGCCTCGTCCATAGCCGTTATTGCTCCAGGATGCTGAGCTCGACCGGTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG214886 representing NM_029964
 Red=Cloning site Green=Tags(s)

MALLQLLLFAMLAACGFSEEQTGEGITAIYKVLEVYPQSRRLVITCDAPEASQPITYSLLASRGILVAKKV
 VHDSVPASFNINITYKSSPDLLTYSCQATSNSGTYPSSRLQMYQELWAKPVSQLQADFVLRHGDSGPTV
 ELSCLASSGSPITYRLVGNNGRVLAAQQRPLHGK PANFSLPLSQTGWFGCEAENDVGVDSARIPLPRA
 EARAKLVTTLAGELPLTPTCILAGSLVSI AVIASRMLSSTGL

TRTRPLE - GFP Tag - V

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

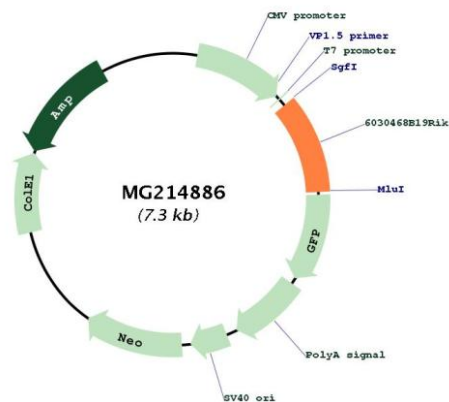
Locus ID: 77727

UniProt ID: [Q9CX63](#)

Cytogenetics: 11 E2

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 MG214886