

Product datasheet for **MR202586**

Rabl2a (BC030376) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rabl2a (BC030376) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rabl2a
Synonyms:	1110031N17Rik; AW549303; Rabl2a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202586 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGGGGACAGAAGCAGGCACTGTGAGCTGGAGCAGGAGAAGTACGACACCCATGAGAACGTGAAGA
TCATCTGCCTGGGGACAGTGGGTGGCAAGTCCAACTCATGGAGAGATTTCTCATGGATGGATTCCA
GCCACAGCAACTGTCCACATATGCTCTGACTCTGTATAAGCACACAGCCACAGTAGACGGCAAGACGATC
CTTGTGGACTTCTGGGATACAGCAGGCCAGGAGCGGTTCCAGAGCATGCATGCCTCTACTACCACAAGG
CTCACGCCTGCATCATGGTATTTGATGTCCAGAGGAAAATCACCTATAAGAACCTGGGTACCTGGTATGC
AGAACTTCGGGAGTTTCAGGCCGAGATCCCATGCATCCTGGTGGCCAATAAAATTGATGCAGACATACAG
ATGACTCAAAGAATTTTCAGTTTGGCAAGAAGTTCTCCCTGCCCTGTACTTTGTCTCGGCTGCTGATG
GTACCAATGTTGTGAAGCTCTTCAATGATGCTATTCGATTAGCTGTGGCTTACAAGAGAGTTCCCGAGG
CTTCATGGACGAGGTTTTACAGGAGCTCGAGAAGTTCAAGTTGGAGCAGAAAGAAGAGGATACGTCAGGC
CAAGAGCAGGGTGACACGACCAAGAGCCCATCTCCTTCC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202586 protein sequence
Red=Cloning site Green=Tags(s)

MAGDRSRHCELEQEKYDTHENVKIIICLGDSAVGKSKLMERFLMDGFQPQQLSTYALTLYKHTATVDGKTI
 LVDFWDTAGQERFQSMHASYYHKAHACIMVFDVQRKITYKNLGTWYAELREFRPEIPCILVANKIDADIQ
 MTQKNFSFAKKFSLPLYFVSAADGTNVVKLFNDAIRLAVAYKESSQDFMDEVLQELENFKLEQKEEDTSG
 EQQGDTTKSPSPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC030376

ORF Size: 669 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.

RefSeq: [BC030376](#), [AAH30376](#)

RefSeq Size: 1628 bp

RefSeq ORF: 671 bp

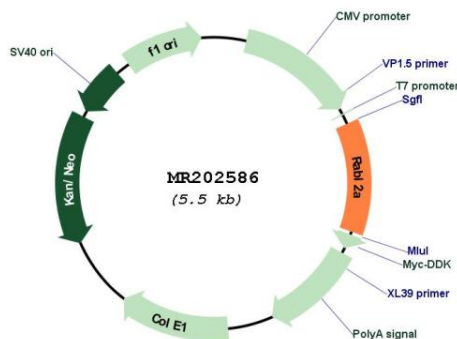
Locus ID: 68708

Cytogenetics: 15 E3

MW: 25.6 kDa

Gene Summary: Plays an essential role in male fertility, sperm intra-flagellar transport, and tail assembly. Binds, in a GTP-regulated manner, to a specific set of effector proteins including key proteins involved in cilia development and function and delivers them into the growing sperm tail. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202586