

Product datasheet for RR203202

Ras11b (NM_001002830) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ras11b (NM_001002830) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ras11b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203202 representing NM_001002830
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGTCTCATCCAGAACATGTGTACCATCGCAGAGTACCCCGCCCCGGGCAGCACCCGCTGCCGACTGCT
 GCCTGGGGGCTGCAGGCCGCGGCTCGTCAAGATCGCCGTGGTGGGGCCAGTGGCGTGGGCAAGACCCG
 TTTGGTGGTCCGGTTCTCACTAAACGATTTCATCGGGGACTATGAACGAAATGCAGTAACCTCTACACA
 AGACAAGTTCACATAGAAGGAGAAACCCTGGCCATTCAGGTCCAGGACACTCCAGGCATCCAGGTGCACG
 AGAATGGCTTGAGCTGCAATGAGCAGTTGAACCGCTGCATTTCGCTGGGCGGATGCCGTCGTCATGTTTT
 CTCATCACCGACCACAAGAGCTATGAACTCATTAGCCAGCTCCACCAGCACGTGCAGCAGCTCCACCCG
 GGCCTCGGCTGCCTGTGGTGGTGGTGGCCAACAAGCCGACCTCTGCACGTCAAGCAGTTGACCCTC
 AGCTTGGTCTGCAGCTGGCCAGCATGCTCGGCTGCTCCTTCTATGAAGTGTCTGTCAGTAAAACTACAA
 CGACGTCTACAGTGCTTCCATGCTGTGCAAGAAGTGAAGCCCAACAGCAGGCCAGTGGCACTCC
 GAGAAGCGCAGAACCTCGCTCATCCCCAGACCAAGTCGCCCAACATGCAAGACCTGAAGAGGAGGTTTA
 AGCAAGCTCTGTCTGCCAAAGTGAAGACTGTCACATCTGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR203202 representing NM_001002830
 Red=Cloning site Green=Tags(s)

MRLIQNMCTIAEYPAPGSTAADCLGAAGRRLVKIAVVGASGVGKTALVVRFLTKRFIGDYERNAGNLYT
 RQVHIEGETLAIQVQDTPGIQVHENGLSCNEQLNRCIRWADAVVIVFSITDHKSYELISQLHQHVQQLHP
 GTRLPVVVVANKADLLHVQVDPQLGLQLASMLGCSFYEVSVSENYNDVYSAFHVLCKEYSPKQQAQSGTP
 EKRRSLIPRPKSPNMQDLKRRFKQALS AKVRTVTSV

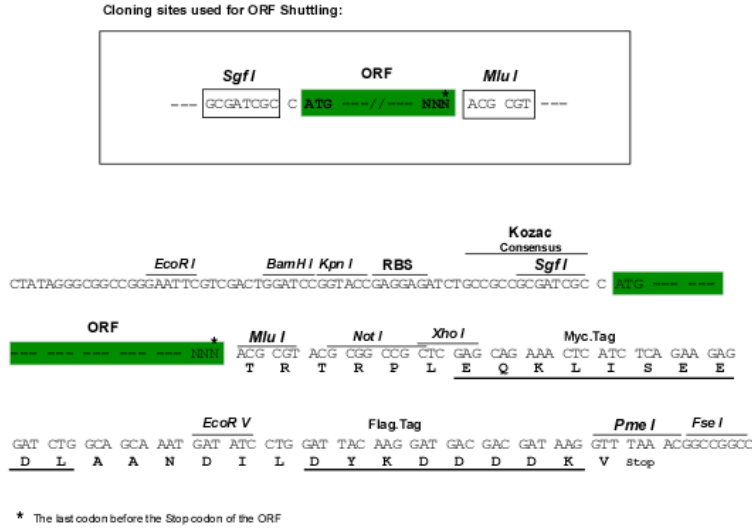
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



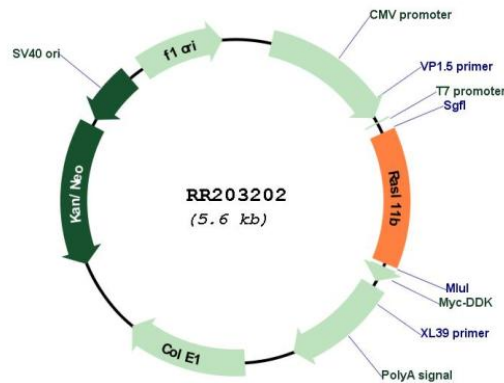
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Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001002830

ORF Size: 741 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:	<ol style="list-style-type: none">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:	<u>NM_001002830.2</u> , <u>NP_001002830.1</u>
RefSeq Size:	1840 bp
RefSeq ORF:	744 bp
Locus ID:	305302
UniProt ID:	<u>Q61MA7</u>
Cytogenetics:	14p11
MW:	27.3 kDa
Gene Summary:	human homolog inhibits cell growth and tumor progression [RGD, Feb 2006]