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Product datasheet for MR210326

Rhobtb2 (NM_153514) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rhobtb2 (NM_153514) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rhobtb2
Synonyms:	Dbc2; E130206H14Rik; mKIAA0717
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR210326 representing NM_153514
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATTCTGACATGGATTATGAAAGGCCAAACGTAGAGACCATCAAGTGCGTGGTGGTGGGGGACAACG
CCGTGGGCAAGACTAGGCTCATCTGTGCCCGGGCCTGCAATGCCACCCTCACCCAGTACCAGTTGCTTGC
CACCCATGTGCCCACAGTGTGGGCCATTGACCAGTATCGTGTGTGCCAGGAGGTGCTAGAACGCTCCCGA
GATGTGGTAGATGACGTCAGCGTCTCCCTGCGCCTCTGGGACACCTTCGGAGACCACCACAAAGACCGGC
GTTTTGCTTATGGAAGATCCGACGTGGTGGTTTTGTGTTTCTCCATCGCCAACCCCAATTCCCTCCACCA
TGTCAAGACCATGTGGTACCCAGAAATCAAGCATTTCTGCCCCAGAGCTCCTGTCATTCTGGTGGGCTGC
CAGCTGGACCTGCGCTATGCTGACCTGGAAGCCGTTAACAGGGCCAGGAGACCTCTGGCTAGGCCCATCA
AGCCCAATGAAATCCTCCCCCCAGAGAAGGGTCGGGAAGTCGCCAAAGAGCTGGGGATCCCTTACTACGA
GACCAGTGTGGTGGCCCAGTTTGGTATCAAGGACGTCTTTGACAATGCCATTCGGGCTGCGCTCATCTCC
CGCCGCCACCTGCAGTTCTGGAAATCACATCTGCGCAATGTGCAGCGGCCTCTACTGCAAGCACCCTTCC
TCCCCCCCAAGCCACCGCCCCCCATCATCGTGGTGCCCGATCCCCCCTCCAGCAGCGAGGAGTGCCCCGC
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CACAAAATCTACCTCTCCACCTCCTCCTCCAAATTCTATGACTTATTCCTCATGGACCTGAGTGAGGGGG
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CCATCATCACCATCACCACCATGGGCGGGACTTCCTGCTTCGGGCAGCCAGCTTTGACGTATGTGAGAGT
GTGGATGAGGCCGGCGGCTCTGGTCCGGCTGGCCTAAGGGCTTCAACCAGTGACGGGATCTTACGGGGTA
ATGGAACAGGGTACCTGCCAGGCAGAGGACGTGTGCTGTCTTCCTGGAGCCGAGCTTTTGTGAGTATCCA
GGAAGAGATGGCAGAGGATCCTCTGACCTTCAAATCCCGGCTGATGGTGGTGGTGAAGATGGATAACTCC
ATTCAGCCGGGGCCCTTCCGGGCTGTTCTCAAGTACCTGTACACAGGGGAGCTAGGTGAGAATGAGCGGG
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GGCATGTTCACCTCCAGCCCAGACCTGGATGATATGAAGCTCATTGTCTTGGCTAACCGCCTCTGCCTGC
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TGTCTTCACCATATCTGCACCAACTACAACAACGTGTGCCGCAAGTTCCCCAGAGACATGAAGGCTATGT
CTCCAGAAAACCAGGAGTACTTTGAGAAACACCGGTGGCCGCCAGTCTGGTACCTGAAAGAAGAGGACCA
CTATCAGCGTGCGCGGAAGGAGCGAGAGAAAGAGGACTATTTACACCTGCGGAGGCAGCCCAAGCGGCGG
TGGCTGTTTTGGAACAGTCCCTCATCACCGTCCTCCTCAGCAGCGGGCTCAGCATCCCCCTCCTCCTCCT
CCTCGGCTGTGGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210326 representing NM_153514
Red=Cloning site Green=Tags(s)

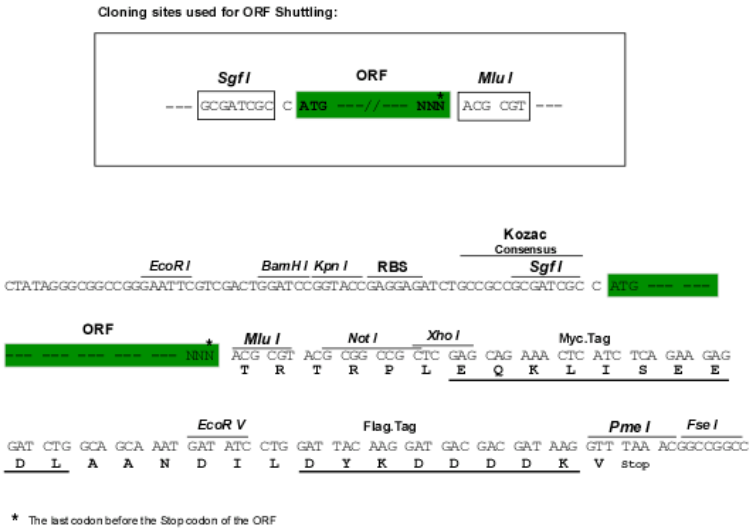
MDSDMDYERPNVETIKCVVVGDNAVGKTRLICARACNATLTQYQLLATHVPTVWAIDQYRVCQEVLERSR
DVVDDVSVSLRLWDTFGDHHKDRRFAYGRSDVVVLCFSIANPNSLHHVKTMWYPEIKHFCPRAPVILVGC
QLDLRYADLEAVNRARRPLARPIKPNEILPPEKGREVAKELGIPYYETSVVAQFGIKDVFDNAIRAALIS
RRHLQFWKSHLRNVQRPLLQAPFLPPKPPPPIIVVPDPPSSSEECPAHLLEDPLCADVILVLQERVRIFA
HKIYLSTSSSKFYDLFLMDLSEGELGGPSGSGGPRPEDHRSHPEQHHHHHHHHHGRDFLLRAASFDVCES
VDEAGGSGPAGLRASTSDGILRGNGTGYLPGRGRVLSSWSRAFVSIQEEMAEDPLTFKSRLMVVVKMDNS
IQPGPFRAVLKYLYTGELGENERDLMHIAHIAELLEVFDLRMMVANILNNEAFMNQEITKAFHVRRTNRV
KECLAKGTFSDVTFILDDGTISAHKPLLISSCDWMAAMFGGPFVESSTREVVFPYTSKSCMRAVLEYLYT
GMFTSSPDLDDMKLIVLANRLCLPHLVALTEQYTVTGLMEATQMMVDIDGDVLVFLELAQFHCAYQLADW
CLHHICTNYNNVCRKFPRDMKAMSPENQEYFEKHRWPPVWYLKEEDHYQRARKEREKEDYLHLRRQPKRR
WLFWNSPSSPSSSAAGSASPSSSSSAVV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9047_e03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153514

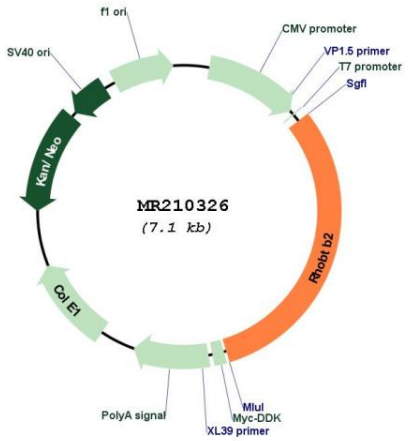
ORF Size: 2184 bp

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:	NM_153514.5, NP_705734.4
RefSeq Size:	5231 bp
RefSeq ORF:	2187 bp
Locus ID:	246710
UniProt ID:	Q91V93
Cytogenetics:	14 D2
MW:	83.1 kDa

Product images:



Circular map for MR210326