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Product datasheet for MR223463

Rimbp2 (NM_001081388) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rimbp2 (NM_001081388) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rimbp2
Synonyms:	A930033C01Rik; mKIAA0318
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR223463 representing NM_001081388
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGAGAGGCTGCTGAGCGGCGGCAACAGCTGGAGTTGGAGCATGAGCAAGCCCTGGCCTTCCTCAATG
CCAAGCAGCAGGAGATCCAGCTACTGCAGCAGGCTCAGGTTGAAGCTAAGAAAGAGCATGAAGGTGCTGT
GCAGCTGTTAGAGAACACCCTGGACTGCATGCAGTCCAAGGTCCGAGAGCTGGAAGAGAAATGCCGTGTG
CAGAGTGAGCAGTTTAACTTGTTGTCCCGGGACCTGGAAAAGTTCCGGCAACACACTGGGAGTATTGACC
TGCTGGGCAGCAGCTCAGTGGCCCTGCTGGATGTTCCCTTGGCCCCTGGCAAGCCTTTCCCTCAGTACAT
GAATGGACTAGCCACCTCCATCCACAAAGGTCACGAGGGCCCCACTGGACACTACTCTGTGATTGGTGAC
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GCCCAAGATGCAGATTTGAGTCCGAGATGGACAATGACCGGAACTCTAACAACTCCAAGCAAAGCAGCTC
GGGGAAGGTGCACCTGTGTGTGGCCCGCTACAGTTACAACCCCTTCGATGGGCCCAATGAGAACCCAGAA
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TCCTCAACGAAGAAGAACTGGACATCGTGAAGGCAGCCAGGTACAAGTACCAATTCTTCAACCTCAGGCC
TAATATGGCCTACAAGGTGAAGGTCTTGGCCCAGCCACACCAGATGCCCTGGCAGCTGCCGCTGGAGCAG

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AGAGAAAAGAAGGAGGCCTGTGTGGAGTTCTCCACGCTGCCTGCAGGACCTCCAGCCCCACCACAAGATG
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GTGTTCATTTCACACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>MR223463 representing NM_001081388
Red=Cloning site Green=Tags(s)

MREAAERRQQLELEHEQALAFLNAKQQEIQLLQQAQVEAKKEHEGAVQLLENTLDCMQSKVRELEEKCRV
QSEQFNLLSRDLEKFRQHTGSIDLLGSSSVALLDVPLAPGKPFPQYMNGLATSIHKGHEGPTGHYSVIGD
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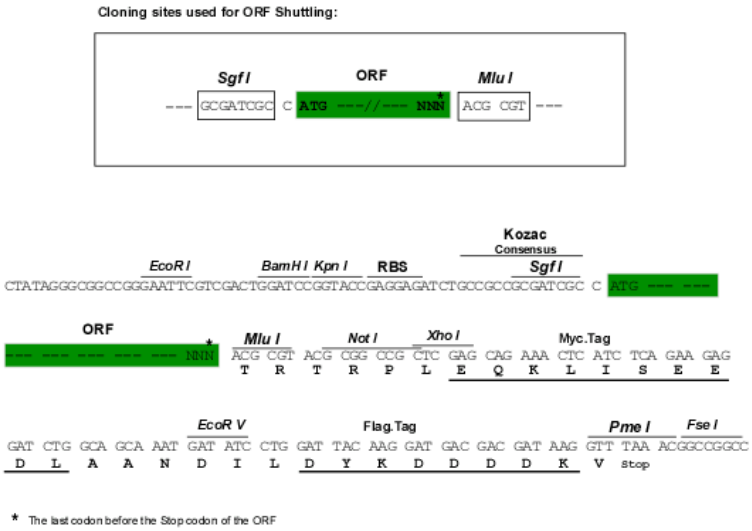
HRPAMAPSIDEYTGRDHLSPDFYDESETDPGAEELPARIFVALFDYDPLTMSPNPDAAEEELPFKEGQII
KVYGDKDADGFYRGETCARLGLIPCNMVSEIHADDEEMMDQLLRQGFLPLNTPVEKIERSRRSGRGHSVP
TRRMVALYDYDPRESSPNVDVEAELPFCTGDIITVFGEIDEDGFYYGELNGQKGLVPSNFLEEVPDDVEV
HLSDAPPHYSHDPPMRSKAKRKKSVHFTP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9098_g07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001081388

ORF Size: 3237 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_001081388.2, NP_001074857.1

RefSeq Size: 7020 bp

RefSeq ORF: 3240 bp

Locus ID: 231760

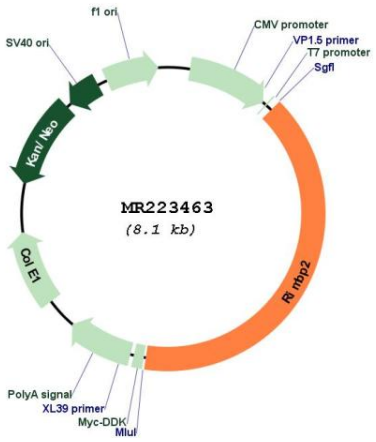
UniProt ID: Q80U40

Cytogenetics: 5 G1.3

MW: 119.1 kDa

Gene Summary: Plays a role in the synaptic transmission as bifunctional linker that interacts simultaneously with RIMS1, RIMS2, CACNA1D and CACNA1B.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223463