

## Product datasheet for **MG223463**

### Rimbp2 (NM\_001081388) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rimbp2 (NM_001081388) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rimbp2
Synonyms:	A930033C01Rik; mKIAA0318
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223463 representing NM_001081388 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGAGAGGCTGCTGAGCGGGCAACAGCTGGAGTTGGAGCATGAGCAAGCCCTGGCCTTCTCAATG  
CCAAGCAGCAGGAGATCCAGCTACTGCAGCAGGCTCAGGTTGAAGCTAAGAAAGAGCATGAAGGTGCTGT  
GCAGCTGTTAGAGAACCCCTGGACTGCATGCAGTCCAAGGTCGAGAGCTGGAAGAGAAATGCCGTGTG  
CAGAGTGAGCAGTTAACTTGTGTCCCGGACCTGGAAAAGTCCGGCAACACACTGGGAGTATTGACC  
TGCTGGGCAGCAGCTCAGTGGCCCTGCTGGATGTTCCCTTGCCCTGGCAAGCCTTCCCTCAGTACAT  
GAATGGACTAGCCACCTCCATCCACAAAGGTACGAGGGCCCCACTGGACTACTCTGTGATTGGTGAC  
TATATTCCGCTGTCTGGGACAAGCTGGAGTCTCCGTGTGTGAAGCCCTCCTTCCCTTTCGATCCAGCA  
GCCCAAGATGCAGATTTGAGTCCGAGATGGACAATGACCGGAACTCTAACAACTCCAAGCAAAGCAGCTC  
GGGAAGGTGCACCTGTGTGGCCCGTACAGTTACAACCCCTTCGATGGGCCAATGAGAACCAGAA  
GCTGAGCTGCCTCTCACGGCGGAAAGTACCTCTATGTCTATGGGACATGGATGAAGATGGGTTCTATG  
AAGGAGAGCTTCTGGATGGCAAAGGGCTTGGTCCCTCAACTTTGTGGATTTATCCAGGACAATGA  
GTCGCGGCTGGCTGGTACTCTGGGAGTGAGCAGGACCAGAATTTCTCAACCACTCTGGCATCAGTCTG  
GAGCGGACAGCATCCTTCACTTCACTCCCAACTCAAGTGGACTCGGGATCACCGACAATGGTGGGG  
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CAAACAGCTTGCCAAAAGTGTATCGTGGGCTGGGAGCCCTGCTGTGCCTCCCGGCTGGGACCCGTG  
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GACAACATCACACAGATCTTGCCAGCTCTCGTGGCTGCCGACCAACAGTAACTACAGCCATATCATCT  
TCCTCAACGAAGAAGAACTGGACATCGTGAAGGCAGCCAGGTACAAGTACCAATTCTTCAACCTCAGGCC  
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AGAGAAAAGAAGGAGGCCTGTGTGGAGTCTCCACGCTGCCTGCAGGACCTCCAGCCCCACCACAAGATG
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CCTGTAACATGGTCTCTGAGATCCATGCGGATGATGAGGAGATGATGGATCAGCTGCTGAGGCAAGGCTT
CCTCCCTCTGAACACGCCTGTGGAGAAAATAGAGAGAAGTAGAAGAAGCGGCCGGGTCACTCTGTACCC
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AAGTCCATTTTGCACAGGAGACATTATTACTGTTTTTGGTGAATCGATGAAGATGGATTTTATTATGG
AGAGCTGAATGGGCAAAAAGGCCTCGTGCCTTCCAATTTCTGGAAGAAGTGCCTGATGATGTTGGAGTC
CACCTTCTGATGCTCCGCCACTACTCCACGACCCGCCATGCGCTCCAAGGCCAAAAGGAAGAAGA
GTGTTCAATTCACACC
    
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG223463 representing NM\_001081388

Red=Cloning site Green=Tags(s)

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MREAAERRQQLELEHEQALAFNAKQQEIQLLQQAQVEAKKEHEGAVQLLENTLDCMQSKVRELEEKCRV
QSEQFNLLSRDLEKFRQHTGSIDLLGSSSVALLDVPLAPGKPPQYMNGLATSIHKHGHEGPTGHYSVIGD
YIPLSGDKLESVCVKPSFLLRSSSPRCRFESEMDNDRNSNNSKQSSSGKVHLCVARYSYNPFDPNENPE
AELPLTAGKYL VYVGDMDEDFYEGELLDGQRGLVPSNFVDFIQDNESRLAGTLGSEQDQNFLNHSGISL
ERDSILHLHSPTQVDSGITDNGGTLVDNIDDIGEDTVPYPRKITLIKQLAKSVIVGWEPVAVPPGWTGTV
SSYNVLDKETRMSLALGRRTKALIEKLNTAACTYRISVQCVTSRGNSELDQCTLLVGKDVVVAPSQLRV
DNIITQISAQLSWLPTNSNYSHIIFLNEEELDIVKAARYKYQFNLRPNMAYKVKVLAQPHQMPWQLPLEQ
REKKEACVEFSTLPAGPPAPPQDVTVHAGATAASVQVSWKPPALPTGLSNGANVTGYGYAKGQVVAEV
IAPTADGTAVELIRLRSLEAKAVSVRTL SVQGESMDSALAAIPDLLVPPAPHPRTAPPPKPLASDMTK
DQHLGPHVKVDESWEQSRSPGPAHGMLPEPDMHSAGPGRRSPSPSRILPQPQAPVSTTVAKAMAREAA
QRVAESNRLEKRSLFLEQSSAGQYTNSEDEEDGYASPEVKRRGTSVDDFLKGSELGKQPHCCHGDEYHTES
SRGSDLSDIMEDEEELYSEMQLLEDGRRRPSGTSHNALKILGNSTLMGRADRMHVSRRYSHSGGSHR
HRPAMAPSIDEYTRDHLSPDFYDESETDPGAEELPARIFVALFDYDPLTMSNPDAEEELPFKEGQII
KVYGDKDADGFYRGETCARLGLIPCNMVSEIHADDEEMDQLLRQGFPLNTPVEKIERSSRSGRHSVP
TRRMVALYDYDPRESSPNVDVEAELPFCTGDIIITVFGIIDEEDGFYYGELNGQKGLVPSNLFEEVDDVEV
HLSDAPPHYSHDPPMRSAKRKKS VHFPT
    
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TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI



<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001081388.2</a></u> , <u><a href="#">NP_001074857.1</a></u>
<b>RefSeq Size:</b>	4264 bp
<b>RefSeq ORF:</b>	3240 bp
<b>Locus ID:</b>	231760
<b>UniProt ID:</b>	<u><a href="#">Q80U40</a></u>
<b>Cytogenetics:</b>	5 G1.3
<b>Gene Summary:</b>	Plays a role in the synaptic transmission as bifunctional linker that interacts simultaneously with RIMS1, RIMS2, CACNA1D and CACNA1B.[UniProtKB/Swiss-Prot Function]