

Product datasheet for MC224749

Rimbp3 (NM_001033338) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rimbp3 (NM_001033338) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rimbp3
Synonyms:	Gm603; Gm1759; mKIAA1666; RIM-BP3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224749 representing NM_001033338 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACAAAGGACTCACCCACCCCTTGGGTGGTGGCCGCGCTCGCCCAAGAAGCCAAGCAGCCCCGGCC
CAGCGCCCGCAGTCTGGAGGAGCAGAGACGAGAGCTAGAAAACTACGGGCAGAGCTGGAGGGCGAGCG
CGCGCGCGCCGGTCCGGAACGGAGGCGTTTCGCTACCCAGACGCGCCAGCTGCGGGAGTCCGGCTGAGCAG
GAGCGGCAGCAGCTGGCTGACCATCTGCGCTCCAAGTGGGAGGCACGACGCCCTCCGGGAGCTGCGGCAGC
TGCAGGAGGAGGTGCAGCGCGAGCGTGAGGCCGAGATCCGGCAGCTGCTGCGCTGGAAGGAGGCAGAGAT
GCGGCAGCTGCAGCAGTTGCTACACCAGGAGCGCGATGTTGTATTGCGCCAGGCAAGGGAGCTTCAGCGT
CAGCTGGCCAGGAGCTAGTGAACCGTGGTTACTGCAGCCGCTCAGGGGCATCCGAAGCCTCCGCGGCAC
AATGCCGCTGTCGCTGCAGGAAGTGTGGCGCTGCTGCGCTGGGAGACCAGCGGCAACAAGCCGCGCG
CATCCGCCACCTGCAGGCGCGCTAGACGTGGAGCGCCAGCTATTCCTTAAATACATCCTAGAGCACTTC
CGCTGGCAGCCGGCTTTACGGGACCCGCGGACCCCAAGCCACGCAATTCCTTGAAGAGCCGCCCTAG
AAGCCAGAGTAACACTGGTGGCACCCAAAGCCTGCTCGTCCGATCCCTCGAAAGCCTGAACAC
TGGCGTCCGGTTTCACTTCCAAACGACCTGCTGCCACGCGCGCGGCTCCCTCGAATCTTTGGCAACA
GCACATTCCTGCTCACTGGACAACACACTGAATTGCTCCAGGCTTCTGAATCCGAGGTAAGGGCCCTG
CGACCAGCGCTATTCCAGACACCTCCAGTCCCGAGCCGCGCCTCAGCTACCATCAATACATAGGAA
ACCTAATGACCTGCAGAAAGAAAGCTCCGAGAACAAGCCCTGCGAAGCCTCGACCTCCTCGCTCCGGT
CTGGACTACCAGAACTGGTGGGAGCAACTCGGAGCTGGCCGAGGCATTGCAGGTGCTGGTTCGCCGCT
GTTGTGACCTGCGCGAAGAAAATTGCATCTGCGGCGTAAAGGCTTCTCCGAGGAGGCAGGAGAGAAAGT
GAAATGGCTCAAGGTGAAGCACGCAGAGCTGACCGATCTCGCTCAGCGCCTTGAAGACAGGGCCCGCAAG
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GCCAAGTGTTTACCTGCCAGCGTCTCAGGACCTGTGAGAACAGGCTGGCGCGCTGCAAGCAAGGATCT
ACAGATCGAAGCATTGAGGCGGGAGTGCCACCTGCTGCAGGCGCGCATCGCCGCGGACCTTGGCAGCTCC
TCGCATCTGAAGAGGGCGCCACGTGCGCGCAATGGTGAACATCAGTGACTTGGACCGGCTGCAGCGTG



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AGTCTCAGCGGGAAGTGCTGCGCCTGCAAAGACAGTTGACTCTACATCAGAGTAAAGCAGGCGCCTGGG
 AGACGCGGGCAGACCCAGCACACCCTCGGAGATAACTCGGCACCAGGTGCAGGCGCTGGAACGCGAGTTG
 GGTTTACAGCGCGGGAATGCGAGGAACTGAGCGTTTCAGGCAGCCGAGCTGAGCGGCGCTACGAGGAGA
 CAGAGGCACAACCTGCAGGCCGCGCTGCACAAAGGCGCCAGGCTGTGAGGAGAAATGCACGGCTGCAGGC
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 GCAGGGGTTGCAATTTACGCTTGCCACCCTCAGAGACATCAGAGACCACCCAAGCTTCAGAGTCCCAA
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 CAGTCAAATTCCTCCTCAGAGGTAGAGTCCATGTGGGCTACAGTGCCATCTTGCCTTTCTTTGGACATGG
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 GGGCACAGCAAAGTCTTGAAGAAAGGCAGCTTATTAAGTGGGGAAGTACAGGAGAGAGGTCTGTGTCAGG
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 GGGCTTGAATCAAGCTTGGAGGAGCAGAGCTTCTCCAGACCCCTCCTGGAGGCCAAAGGCGCATTTCTGT
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 GCAATAGATATCCGCATGTGGTGTACCTAGATGATGAAGAGCATATCCTGACTCCCTCAGGTGTGAACCA
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 CTACTACAGGTGCTCTGGGAAACAACGTCTCCACTCTAACTTTTATACACTTTAGCAGGTCCCCTG
 ACCCCCTCTGGATGTGCTGGTGAACACCATGCCTCTCCGGGTGCTCTAGTGGTCAAGTTGGCTCCCTGT
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 AAGGTGACCGAAGTTGCCGACGCCACTGCTGGAACACCCTGTTGGAATTTTCTCAGCTTCAGGTTCCCC
 TATCCTGCCAGAAGTTTCAGTGAACCATGTCAGTGTATGGCGAGTCTCTGGATTGAGTACCGGCTCA
 AATCCCGGAGGACTTCTTCTCCTGCTGCCATTCTAGGAGCTCTCCCTTAACTACACAGATGGTAAC
 CCTTTCCCTGTCTGTCACCAGAAGCTGGTACAAGCTTCTCTGGGTGCCAAGTCCAGTCTCGTGGCCCTG
 GAAACTGTGGGGAGCCCCAGGCGAAGTTTCTAGAAGCATTCCCTGAAGAACATCCAAGGAAGCATTGTG
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 GAGAAGGACCTGTCTTTTCAAGAGTCCCCAGAACACAAAGCCACCTCTTCTTTGGCCAGTCTGGGG
 TAGAGGAAGGACATGCCCCACACATATGCATCAGTGGGAGTCTGCTCCAGGATTTGTCCATCTCTCCTC
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 TATGCCCGATGGTCCCACCTCACCAGCAAGGCTCCAGCCAGTGCCAACCAGCTGACTTCCATCATGTTT
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 CAAAAATGGACAGAGACAAGGGACTCCCGAAGCAAGAGAGAGTGTCTCAGTGTATGCCCAGCACCAACC
 AACAAAGTCATTAAGATGACAAGTGGTAGCCAGACCAGCTGGAGACTGACGCAACAATCCAGTCAAGG
 TCTTCTGGCCCTCTTTGACCATAGCCCCCTTGTAAATCTGTCAACTCAGAAGCTGCAGAAGAAGAGCT
 GGCTTCCAGAAAGGCGAGCTGTGAGGGTATGGGGTCACTGGATCTCCATGGCTTCTACCACGGAGAG
 TGCAATGGACACCTGGGCAAAATCCCGGGCACCTGGTAGTTGAGGTAGAGGTGGGCACACAACAGACTG
 ATGGGAGGTGGCATCTGCCAGCACAAGGCCATCTGCTTCTGAGACTCAACGTGAAGACTTGGAGGGTCT
 AACCAATCCCAGGGATCTTACATGCCTCAAGGGAACCTCAGAACACCCACACTGTGGACCCCAAAGACA
 ATGGTGGCAGCTCTGGACTACGATCCCAGGGATGGTAGAGCAGGGGTCCAGGCAAAGGGCAAGCTGGTAT
 TGAGAGCTGGAGATGTAGTCACAGTTTATGGCCCTGTGGATGATAAGGGATTCTACTATGGTGGATATGG
 TGGACACAGGGGCTGGTCCCAGCCACCTGCTGGATGACTTGCCTGTCCATGGAGATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:	NM_001033338
Insert Size:	4821 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_001033338.3</u> , <u>NP_001028510.2</u>
RefSeq Size:	5848 bp
RefSeq ORF:	4821 bp
Locus ID:	239731
UniProt ID:	<u>Q3V0F0</u>
Cytogenetics:	16 A3
Gene Summary:	Component of the manchette, a microtubule-based structure which plays a key role in sperm head morphogenesis during late stages of sperm development (PubMed:19091768, PubMed:28003339). Important for male fertility (PubMed:19091768).[UniProtKB/Swiss-Prot Function]