

## Product datasheet for **MC222954**

### Rai14 (NM\_030690) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rai14 (NM_030690) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rai14
Synonyms:	1700008J19Rik; 1700020L11Rik; Ankycorbin; mKIAA1334; Norpeg
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:**

>MC222954 representing NM\_030690  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGAGCCTGAAAGCAAAGTTTCGGAAGAGCGATACAAACGAGTGAACAAGAATGATGACCGTCTGC  
 TGCAGGCTGTGGAGAACGAGATGCTGAGAAGGTGGCCTCACTGCTGGGCAAGAAAGGGCCAGCGCCAC  
 GAAGCATGACAGCGAGGGCAAGACCGCTTCCACCTTGCCGCTGCGAAGGGACACGTGGAATGCCTCAAG  
 GTCATGGTGACACACGGTGTGGATGTGACTGCCAAGATTCTCCGGTCACAGTCTTTCATGTGCGAG  
 CCAAGAATGGCCACCCAGAGTGCATCAGGAAGTTCTTCAGTACAAGAGCCAGCGGAGAACATTGACAA  
 CTCGGGGAAAACAGCTTTGCATTATGCAGCGGCACAGGGATGCCTTCAGGCTGTACAGCTCCTCTGCGAA  
 CACAAGAGCCCCATAAACCTTAAAGACTTGGATGGGAACATCCCCCTGCTTGTTCAGTCCAGAACGGCC  
 ACAGTGAGGCTGCCACTTCTCCTGGATCACGGCGCAGATGTCAATCCAGAGACAAAAATGGAAGAAC  
 TGCTCTCATGCTGGCTTGTGAAACCGGCAGCTCGAACACTGTGGACGCCCTAATTAAGGAGGAGCGGAC  
 CTGAGCCTTGTGATTCTCTCGACACAATGCCTTACATTATTCCAAACTCTCGGAAAATGCAGGAATTC  
 AAAACCTTCTATTATCAAAAATCTCTCAGGATGCTGATTTAAAGACTCCAACAAAACCAAAGCAGCATGA  
 CCAAGTCTCTAAAATAAGCTCAGAACGAAGTGGAACTCCAAAAAGCGCAAAGCTCCACCACCTCTATC  
 AGTCTACCCAGTTGAGTGATGTCTCTCCACGATCAATAACATCTACACCCTTTCAGGAAAGGAGT  
 CAGTATTTTTTGTGAAGCGCCCTTAAAGGCTGAGATCAGCTCCATACAAGAAAACAAAGACAGGCTGAG  
 CGACAGTACTGCAGGTGCTGACAGCTTGTGGATATAAGTTCTGAAGTGACCAACAAGATCTTCTGTG  
 CTGTTGCAAGCAAAGTGCCTTCCCTTACCTTACACAATAAGGAGTTACAAGATAAATTCAGGCCAAAT  
 CGCCCAAGGACAAGGAAGCGGAAGCCGACCTAAGCTTTCAGTCTTTCATTGACCCAGACTGACCTGGC  
 CCCATCCCGGGCAAGCTAGTGACATCCCTTCCCTCCGATGCCAAATCATCCCCACCCGTTGAGCATCCG  
 GCGGGGACGTCCACCCTGACAATGATGTATAATCCGGCAGCTCCAAGATTCCCTGCATGATCTGCAGA  
 AGAGATTGGAGAGCTCCGAAGCAGAGAAGAAACAGCTCCAGGACGAACTCCAGTCACAAAGGACAGACAC  
 GCTTTGCTTGAACAACACAGAGATCTCCGAGAATGGCTCTGACCTCAGTCAGAAGCTCAAGGAAACCCAG  
 AGCAAGTACGAAGAGGCCATGAAAGAAGTCTGAGCGTGCAGAAACAGATGAAGTGGGTCTCTCTCCC  
 AGGAGAGCGCCGATGGCTACTCGCATCTCCGGGAGGCCAGCTGACGAAGACATCGACACACTAAAGCA  
 AGACCTGCAGAAAGCGGTGGAAGAAAGTCAAGGAACAAGGAGCGGGTGCAGGAGTTAGAGACTAAGCTT  
 GCGGAGAAGGAGCAGGCCGAAGCGACTAAGCCACCTGCCGAGGCGTGTGAGGAGTGTGAGAAGTTCCTACT  
 GCTCTGTTATCGAGAATATGAATAAGGAGAAGGCATTTTTGTTTGAGAAATATCAACAGGCCCAAGAAGA  
 GATCATGAAACTGAAGGACACGCTAAAAAGTCAAGTGCACAGGAAGCCCCGACGACTCTGGGGATATG  
 AAAGAGGCCATGAACAGGATGATTGATGAACTCAATAAACAGGTGAGCGAGCTGTACAGCTGTACCCGAG  
 AAGCCCAGGCAGAGCTGGAGGATTACAGGAAGAGGAAATCTCTGGAAGATGCAGCCGAGTACATTCACAA  
 AGCTGAACACGAGAGGCTGATGCACGTGTCAAACCTGTCCAGGGCCAAGTCGGAAGAAGCGCTGTCCGGAG  
 ATGAAGTCTCAGTATCCAAAGTGTGAACGAGTTGACTCAGCTCAAACAGCTGGTGGATGCACACAAAG  
 AGAACTCCGTGTCCATCACAGAGCATTTGCAAGTGATAACCACGCTGCGGACAACGGCCAAAGAGATGGA  
 AGAAAAGATAAAGCGCCCTCACAGGGCACCTTGCAACAAGGAAGCGGAAGTGGCAAAGCTGGAGAAGCAG  
 CTCGCCGAAGAGAAGGCTGCCGTGAGCGACGCGATGGTCCCAAGTCTTCTACGAGAAGCTCCAGGCCT  
 CCTTGGAGAGCGAAGTCAATGCCTTAGCAACAAAGTTAAAGGAGTCAAGTAAAGAGAGAGAGAAAGCCCA  
 TTCCGAGGTGGCCAGGTTTCAAGTGAAGTCTCACAGGCGAGAAGGGAAAAGGACAACATCCAGACTCTC  
 TTGAAAGCCAAAGAGCAGGAAGTAACTGCGCTTGTGCAGAAGTTCAGCGAGCTCAGGAAGAAGTGGCTG  
 GGATGCGAAGATGCTCTGAGACCTCGTCAAGCTGGAGGAGGATAAAGATGAAAAGATAAATGAAATGAC  
 CAGGGAAGTCTGAAGCTGAAGGAGGCCCTGAACAGCCTCTCGCAGCTCTCCTACTCCACAAGTTTCATCC  
 AAGAGGCAGAGCCAGCAACTGGACCTGCTACAGCAGCAGGTCAAGCAGCTGCAGAACCAGCTGGCTGAAT  
 GTAAGAAAACACCAGGAGGTCTCAGTTTACAGAATGCATCTTCTATATGCCGTTCCAGGGCCAAAT  
 GGATGAAGATGTCCAGAAGGCTTTGAAGCAGATCTCACCATGTGTA AAAACAGTCTCAGAAGAAG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_030690
<b>Insert Size:</b>	2940 bp
<b>OTI Disclaimer:</b>	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).
<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_030690.3</a></u> , <u><a href="#">NP_109615.1</a></u>
<b>RefSeq Size:</b>	4929 bp
<b>RefSeq ORF:</b>	2940 bp
<b>Locus ID:</b>	75646
<b>UniProt ID:</b>	<u><a href="#">Q9EP71</a></u>
<b>Cytogenetics:</b>	15 A1
<b>Gene Summary:</b>	<p>Plays a role in actin regulation at the ectoplasmic specialization, a type of cell junction specific to testis. Important for establishment of sperm polarity and normal spermatid adhesion. May also promote integrity of Sertoli cell tight junctions at the blood-testis barrier.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1 and 2 encode the same protein.</p>