

Product datasheet for **SC112605**

RAI14 (NM_015577) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAI14 (NM_015577) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAI14
Synonyms:	NORPEG; RAI13
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_015577, the custom clone sequence may differ by one or more nucleotides

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ATGAAGAGCTTGAAAGCGAAGTTCAGGAAGAGTGACACCAATGAGTGAACAAGAATGATGACCGGCTAC
TGCAGGCCGTGGAGAATGGAGATGCGGAGAAGGTGGCCTCACTGCTCGGCAAGAAGGGGGCCAGTGCCAC
CAACACGACAGTGAGGGCAAGACCGCTTTCATCTTGCTGCTGCAAAAGGACACGTGGAATGCCTCAGG
GTCATGATTACACATGGTGTGGATGTGACAGCCCAAGATACTACCGGACACAGCGCTTACATCTCGCAG
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CTCTGGGAAAACAGCTTTACATTATGCAGCGGCTCAGGGCTGCCTTCAAGCTGTGCAGATTCTCTGCGAA
CACAAGAGCCCCATAAACCTCAAAGATTGGATGGGAATATACCGCTGCTTCTTGCTGTACAAAATGGTC
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CTAAACCTTGTAGATTCTTGGATACAATGCCTTACATTATCCAACTCTCAGAAAATGCAGGAATTC
AAAGCCTTCTATTATCAAAAATCTCTCAGGATGCTGATTTAAAGACCCCAACAAAACCAAGCAGCATGA
CCAAGTCTCTAAAATAAGCTCAGAAAGAAGTGGAAGTCCAAAAAACGAAAGCTCCACCACCTCTATC
AGTCTACCCAGTTGAGTGATGTCTCTCCCAAGATCAATAACTTCGACTCCACTATCGGGAAAGGAAT
CGGTATTTTTTGTGAACCACTTCAAGGCTGAGATCAGTTCTATACGAGAAAACAAAGACAGACTAAG
TGACAGTACTACAGGTGCTGATAGCTTATTGGATAAAGTTCTGAAGTGACCAACAAGATCTTCTCTCT
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CACCCAAGGAGGCGGAAGCAGACCTAAGCTTTGACTCATACCATTCACCCAACTGACTTGGGCCCATC
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GATGGATGAAGATGTCCAGAAAGTACTGAAGCAAAATCCTTACCATGTGTAAAAACCAGTCTCAAAAGAAG
TAA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015577 unedited
 NNNAAGTTCAAATTTGTATACGACTCACTATAGGCGGCCGCGATTTCGGCACGAGGTAAAC
 ATGAAGAGCTTGAAAGCGAAGTTCAGGAAGAGTGACACCAATGAGTGGAACAAGAATGAT
 GACCGGCTACTGCAGGCCGTGGAGAATGGAGATGCGGAGAAGGTGGCCTCACTGCTCGGC
 AAGAAGGGGACCAGTGCCACCAAAACACGACAGTGAGGGCAAGACCGCTTTCATCTTGCT
 GCTGCAAAAGGACAGTGGAATGCCTCAGGGTCATGATTACACATGGTGTGGATGTGACA
 GCCCAAGATACTACCGGACACAGCGCCTTACATCTCGCAGCCAAGAACAGCCACCATGAA
 TGCAATCAGGAAGCTGCTTCAGTCTAAATGCCAGCCGAAAGTGTGACAGCTCTGGGAAA
 ACAGCTTTACATTATGCAGCGGCTCAGGGCTGCCTTCAAGCTGTGACAGATTCTCTGCGAA
 CACAAGAGCCCCATAAACCTCAAAGATTGGATGGGAATATACCGCTGCTTCTTGCTGTA
 CAAAATGGTCACAGTGAGATCTGTCACTTTCTCCTGGATCATGGAGCAGATGTCAATTCC
 AGGAACAAAAGTGAAGAAGTCTCTCATGCTGGCCTGTGAGATTGGCAGCTCTAACGCT
 GTGGAAGCCTTAATTAAGAGGGTGCAGACCTAAACCTTGTAGATTCTCTGGATACAAT
 GCCTTACATTATCCAACTCTCAGAAAATGCAGGAATCAAAGCCTTCTATTATCAAAA
 ATCTCTCAGGATGCTGATTTAAAGACCCCAACAAACCAAGCAGTTGAGTGATGTCTCTT
 NCCAGATCAATACTTCGACTCCACTATCGGAAAGGAATCNGTATTNTTGCTGAACCACC
 TCAGGCTGAGATCAGNTCTTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015577 unedited
 GGCCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTGC AAAATGAAACAAGTTTATTT
 TCTCCAATAACTTCTGTAAATTACAAAGACAAAATACTAAAACTACAGCATATAACTTT
 TCAATATTTAACCAGAGTACTCGTAATAAATATGCATCCGGAACAAGATAAAGGCTAC
 ACCTCGTCAGGCATCCTACAAAATGTCTCAAGTTTTATATACTCTGCAGCATTTCTGTG
 CGGGGGCAGAAGGGGCTGTTGTGATTTTCTGAAGTGCTGTGACAAAAGGTCCTTTCACA
 TTTCTTTGGAGCATTTTGAATTTGCTTAACCTATAATTAACAACCTTAAGAAAAGTAACA
 CCAAGCTTTAAGCCATTTTGTCTTGTGTCATTGGTCCTTATCCAATACAGATCAACA
 TATCATCCAGCACAGCCAAGCACCCACTGAGGCCAAGCAGCCTTGTGGGACATGGGCCCT
 GTCAGAGCAGGCCCTACTTTCAGTTAAATACTTTGGAGAGTCCAGGATTCTGTCTCTCTC
 CCTCAACAAGATTAATGCCATAAGGGAAGTTGCAAGCGTGTTAAAAACATTTTAACTG
 AAAGTAAAGTGAACAGAAATATTTTTTTCCGAGACCTCTGCTATGCACCATAATTATAC
 CATATCAGGGTTTTTAGCTTCAAAGTTGAAAAACACGATGGTACTAACAGTCCTTCTAGA
 GATCATTNATGGGGCGCTGTAGAGTCAGGGCATTCAAACATTCAACGGGTAAAAGGGAGA
 TTGCTAGATTCAAGAAATGCGCTACACTTCTGAAGACACCATGGCTGAAAAGTCTAGGGG
 TGTTGGTGGCAGCTCATATTAGGTCTGGCATACTAACTACCTTNTGCTATAGCTGAAAA
 CTTTAAGGAAAAGGTATATTTTAAAGTCTCAGCCTGCCTACCTAAAAGNATNCNTGTAT
 ATATCTACTGGANTNCCACTATTTAGGAGTCAGAAATGGAAACCATCTTATG

Restriction Sites:

NotI-NotI

ACCN:

NM_015577

Insert Size:

4370 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:	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_015577.1, NP_056392.1</u>
RefSeq Size:	4925 bp
RefSeq ORF:	2943 bp
Locus ID:	26064
UniProt ID:	<u>Q9P0K7</u>
Cytogenetics:	5p13.2
Domains:	ANK
Gene Summary:	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. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the predominant isoform (a). Variants 1-3 encode the same isoform (a).