

## Product datasheet for **RN217356**

### **Iqsec2 (NM\_001277386) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Iqsec2 (NM_001277386) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Iqsec2
Synonyms:	RGD1562109
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217356 representing NM\_001277386  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**C

ATGGAACCCCTGGAAGAGCAGCAGGTCCACAGCGTCTCATACTCTACACCAGTATTGCTGTCCTACTC  
 AGGTCTTGACTCCATGAAGCTTACCCCTCAGGCAGGCTGGCAGAGAGCAGTGTGGAGGGTGTGCCCC  
 AGGCAGTGACCTGAGCACAGCGTTGATAGTCCTGGGAGCCAACCCCTACCGCTGAGCCAAGTCCCC  
 CCAACCAGCAGCCACATGGGGGGCCCCCTGCTGGCGTGGGCCTACCTTGGTCTCAGAGGGCTCGCCTCC  
 AGCCAGCCAGTGTGCCCTGAGGAAGCAGGAGGAGGAGATAAAGCGCTCCAAGGCCCTGTCAGACAG  
 CTATGAACTCTCCACAGACCTACAGGACAAGAAGGTGAAATGCTGGAGAGGAAGTATGGGGCTCCTTC  
 CTGAGCCGAGGGCTGCCAGGACCATCCAGACAGCCTTTCGCCAGTATCGTATGAATAAGAACTTTGAGC  
 GACTGCGCAGCTCGGCTCAGAGAGCCGATGTCCCGCCGATCATCTTGTCCAACATGCGGATGCAGTT  
 CTCCTTTGAGGAGTACGAGAAAGCACAGAACCTGCATACTTCGAAGGCAAGCCTGCCTCATTGGATGAG  
 GGTGCAATGGCTGGAGCCCGGAGCCACCGGCTTGAACGGGGCCTCCCTATGGAGGCTCCTGTGGTGGGG  
 GCATCGATGGTGGTGAAGTTCAGTCACCACATCTGGAGAGTTTTCTAATGACATCACAGAGCTCGAGGA  
 CTCCTTCTCCAAACAGGTAAGTCTCTGGCTGAATCCATTGATGAGGCCCTTGAAGTCCACCCATCAGGG  
 CCTATGTCTGAGGAGCCAGGGTCAAGCCAACTGGAGAAGCGGGAATCAAAGGAACAGCAAGAAGACAGCT  
 CAGCCACATCCTTCAGTGACCTCCCCCTACTTGGATGACCCAGTTCCTCCTCCATCACCTGAGCGACT  
 GCCCAGCACAGAGCCCCACCCAAAGGCCGCCCTGAGTTCTGGGCACCAGCTCCCTCCCACAGTTCCT  
 CCACCAATGCCACCAGGGACCCGGGAAGATGGTAGCCGTGAGGAAGGCACTCGAAGGGTCTGGGTGCT  
 TGGAGTCCCGGATTTCCGGCTCCGGGCTGCACACCTCCCCCTCCTCACCATTGAGCCTCCAGTGACAG  
 TTCTGTAGACCTGAGTGACCGCTCAGATCGCGGCTCTGTCCACCGCCAGCTGGTGTATGAGGCTGATGGC  
 TGCAGCCCCATGGGACCCTGAAGCACAAGGGGCCACCAGGCAGGGCCCCAATCCACACCGCCACTACC  
 CTGCCCTGAGGGTCCAGCTCCAGCCCCACCAGGGCCCCCTGCCACCAGCCCCAATAGTGGTACTGGGCC  
 CAGTGGTGTGGCTGGAGGTGGAGGTTGGGAAAGTGTGAGGCAGCAGGTGAGAACTCTGATGGTGGAGAC  
 AATGAGAGCCTTGAGAGCTCCAGCAACTAATGAGACCATCACTGCAGCTCTGGCTCCTCCTCTCGGG  
 ATAGCCTGAGGGAACCTCCAGCCACTGGCCTGTGCAAGCAGACTTACCAGCGGGAGACAAGGCACAGCTG  
 GGACTCGCCAGCCTTCAACAATGACGTGGTACAAAGAAGGCATTACAGAATTGGCCTCAACTCTTCAAT  
 AAGAAGCCAGAGAAGGTATCCAGTATTTGATCGAGCGAGGCTTCTGTGACAGACTCCTGTGGGGTGG  
 CTCACCTCATCCTGGAGCGGAAAGGCCTGAGTCGGCAGATGATAGGGGAATCCTGGGGAATCGACAGAA  
 GCAGTTCAACAGAGATGTGTTGGACTGTGTGGTGGATGAGATGGACTTCTCCTCTATGGATTTGGACGAT  
 GCACTCAGGAAGTTCCAATCCCATATCCGATTCAGGGTGAAGGCCAGAAAGTGGAGCGACTCATTGAAG  
 CTTTCAGCCAGCGGACTGTGTCTGTAACCCTGCCCTCGTACGACAGTTCGGGAACCCAGACACTATCTT  
 CATCCTTGCTTTTGCCATCATCTCCTCAATACCGATATGTACAGCCCCAGTGTCAAGGCTGAACGCAAG  
 ATGAAGCTGGATGACTTCATTAAGAACCTGAGAGGAGTTGACAATGGTGAAGACATCCCCGAGACCTCC  
 TAGTAGGCATCTACCAGCGCATCCAAGGTCGTGAACTAAGGACCAACGATGACCATGTGTCCAGGTGCA  
 GGCTGTGGAGCGCATGATTGTTGGCAAGAAACCGTCTGTGCTCCCTCACCCTGACTGGTTTGTCTGC  
 TGCCAGCTCTATGAGGTGCCAGATCCAAATCGCCCCAAAGGCTGGGGCTGCATCAGCGGAGGTCTTCC  
 TCTTCAATGACCTCCTTGTGGTACCAAAATTTCCAGAAGAAGAAGATCTTGGTACATACAGCTTCCG  
 TCAGTCTTTCCCTGGTGGAAATGCATATGCAGCTCTCCAGAATTCATATTATCAGTTTGAATCAAG  
 TTAATCTGCGGTACCTGGAGGGGAACGAAAAGTTCTCATTATCTTAAATGCTCCTAGCCTCCAAGACA  
 GGCTACGCTTTACCTCTGACCTGCGGGAGTCCATTGCTGAGGTGCAGGAGATGGAGAAGTACCGTGTGGA  
 ATCGGAGCTGGAGAAGCAGAAAGGTATGATGCGGCCTAATGCCTCACACCTGGAGGAGCCAAGGACTCA  
 GTGAATGGGACTCTGGCCCGCAGTAGTCTGGAGGACACTTATGGGGCAGGCGATGGGCTCAAGCGGGGTG  
 CACTCAGTAGTCCCTGCGAGACCTCTCTGATGCAGGGTCTGTTAT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

<b>ACCN:</b>	NM_001277386
<b>Insert Size:</b>	2850 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>NM_001277386.1, NP_001264315.1</u>
<b>RefSeq Size:</b>	4547 bp
<b>RefSeq ORF:</b>	2850 bp
<b>Locus ID:</b>	685244
<b>Cytogenetics:</b>	Xq13