

Product datasheet for **RR217356**

Iqsec2 (NM_001277386) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR217356 representing NM_001277386
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAACCCCCCTGGAAGAGCAGCAGGTCCACAGCGTCTCATACTCTACACCAGTATTGCTGTCCTACTC
 AGGTCCTTGACTCCATGAAGCTTACCCCTCAGGCAGGCTGGCAGAGAGCAGTGTGGAGGGTGTGCCCC
 AGGCAGTGACCTGAGCACAGCGTTGATAGTCCTGGGAGCCAACCCCTACCGGCTGAGCCAAGTCCCC
 CCAACCAGCAGCCACATGGGGGGCCCCCTGCTGGCGTGGGCCTACCTTGGTCTCAGAGGGCTCGCCTCC
 AGCCAGCCAGTGTGCCCCGAGGAAGCAGGAGGAGGAGATAAAGCGCTCCAAGGCCCTGTCAGACAG
 CTATGAACTCTCCACAGACCTACAGGACAAGAAGGTGAAATGCTGGAGAGGAAGTATGGGGCTCCTTC
 CTGAGCCGAGGGCTGCCAGGACCATCCAGACAGCCTTTCGCCAGTATCGTATGAATAAGAACTTTGAGC
 GACTGCGCAGCTCGGCTCAGAGAGCCGATGTCCCGCCGATCATCTTGTCCAACATGCGGATGCAGTT
 CTCCTTTGAGGAGTACGAGAAAGCACAGAACCCCTGCATACTTCGAAGGCAAGCCTGCCTCATTGGATGAG
 GGTGCAATGGCTGGAGCCCGGAGCCACCGGCTTGAACGGGGCCTCCCCTATGGAGGCTCCTGTGGTGGGG
 GCATCGATGGTGGTGAAGTTCAGTCACCACATCTGGAGAGTTTTCTAATGACATCACAGAGCTCGAGGA
 CTCCTTCTCCAAACAGGTAAGTCTCTGGCTGAATCCATTGATGAGGCCCTTGAAGTCCACCCATCAGGG
 CCTATGTCTGAGGAGCCAGGGTCAGCCAACTGGAGAAGCGGGAATCAAAGGAACAGCAAGAAGACAGCT
 CAGCCACATCCTTCAGTGACCTCCCCCTCTACTTGGATGACCCAGTTCCTCCTCCATCACCTGAGCGACT
 GCCCAGCACAGAGCCCCACCCAAAGGCCGCCCTGAGTTCTGGGCACCAGCTCCCCTCCCACCAGTTCCT
 CCACCAATGCCACCAGGGACCCGGGAAGATGGTAGCCGTGAGGAAGGCACTCGAAGGGGTCTGGGTGCT
 TGGAGTCCCGGATTTCCGGCTCCGGGCTGCACACCTCCCCTCCTCACCATTGAGCCTCCAGTGCAG
 TTCTGTAGACCTGAGTGACCGCTCAGATCGCGGCTCTGTCCACCGCCAGCTGGTGTATGAGGCTGATGGC
 TGCAGCCCCATGGGACCCTGAAGCACAAGGGGCCACCAGGCAGGGCCCCAATCCACACCGCCACTACC
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 ATAGCCTGAGGGAACCTCCAGCCACTGGCCTGTGCAAGCAGACTTACCAGCGGGAGACAAGGCACAGCTG
 GGACTCGCCAGCCTTCAACAATGACGTGGTACAAAGAAGGCATTACAGAATTGGCCTCAACTCTTCAAT
 AAGAAGCCAGAGAAGGTATCCAGTATTTGATCGAGCGAGGCTTCTGTGACAGACTCCTGTGGGGTGG
 CTCACCTCATCCTGGAGCGGAAAGGCCTGAGTCGGCAGATGATAGGGGAATCCTGGGGAATCGACAGAA
 GCAGTTCAACAGAGATGTGTTGGACTGTGTGGTGGATGAGATGGACTTCTCCTCTATGGATTTGGACGAT
 GCACTCAGGAAGTTCCAATCCCATATCCGATTCAGGGTGAAGGCCAGAAAGTGGAGCGACTCATTGAAG
 CTTTCAGCCAGCGGACTGTGTCTGTAACCCTGCCCTCGTACGACAGTTCGGGAACCCAGACACTATCTT
 CATCCTTGCTTTTGCCATCATCTCCTCAATACCGATATGTACAGCCCCAGTGTCAAGGCTGAACGCAAG
 ATGAAGCTGGATGACTTCATTAAGAACCTGAGAGGAGTTGACAATGGTGAAGACATCCCCGAGACCTCC
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 GGCTGTGGAGCGCATGATTGTTGGCAAGAAACCGTCTGTGCTCCCTCACCCTGACTGGTTTGTCTGC
 TGCCAGCTCTATGAGGTGCCAGATCCAAATCGCCCCAAAGGCTGGGGCTGCATCAGCGGGAGGTCTTCC
 TCTTCAATGACCTCCTTGTGGTACCAAAATTTCCAGAAGAAGAAGATCTTGGTACATACAGTTCCTCG
 TCAGTCTTTCCCTGGTGGAAATGCATATGCAGCTCTCCAGAATTCATATTATCAGTTTGAATCAAG
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217356 representing NM_001277386
 Red=Cloning site Green=Tags(s)

MEPPWKSSRSTASHTLHQYCCPTQVLDSMKLTPSGRLAESSVEGDAPGSDLSTAVDSPGSQPPYRLSQLP
 PTSSHMGPPAGVGLPWSQRARLQPASVALRKQEEEEIKRSKALSDSYELSTDLDQKKVEMLERKYGGSF
 LSRRARTIQTAFRQYRMKNKFERLRSSASESRMSRRIILSNMRMQFSFEEYEKAQNPAYFEGKPAASLDE
 GAMAGARSHRLERGLPYGGSCGGIDGGSSVTTSGEFSNDITELEDSFSKQVKSLAESIDEALNCHPSG
 PMSEEPGSAQLEKRESKEQQEDSSATSFSDLPLYLDDPVPPSPERLPSTEPQQGRPEFWAPAPLPPVP
 PMPPTGTREDGSRREGTRRGPGLCECRDFRLRAAHLPLLIEPPSDSSVDLSDRSDRGSVHRQLVYEADG
 CSPHGTLKHKGPPGRAPIPHRHYPAPEGPAPPPGPPAPNSGTGPSGVAGRRRLGKCEAAGENSDDGGD
 NESLESSNSNETINCSSGSSSRDSLREPPATGLCKQTYQRETRHSWDSFANNDVVQRRHYRIGLNLFN
 KKPEKGIQYLIERGFLSDTPVGVAFILERKGLSRQMIGEFLGNRQKQFNRDVLDVVDEMDSSMDLDD
 ALRKFQSHIRVQGEAQKVERLIEAFSQRYCVCNPALVRQFRNPDTIFILAFIILLNTDMYSPVKAERK
 MKLDDFIKNLRGVDNGEDIPRDLVGIYQRIQGRELRTNDDHVSQVQAVERMIVGKPKVLSLPHRRLVCC
 CQLYEVPDPNRPQRLGLHQREVFLFNDLLVVTKIFQKKKILVTYSFRQSFPLVEMHMQLFQNSYYQFGIK
 LLSAVPGGERKVLIIIFNAPSLQDRLRFTSDLRESIAEVQEMEKYRVESELEKQKGMMPNPNASQPGGAKDS
 VNGTLARSSLEDTYGAGDGLKRGALSSSLRDLSDAGVCY

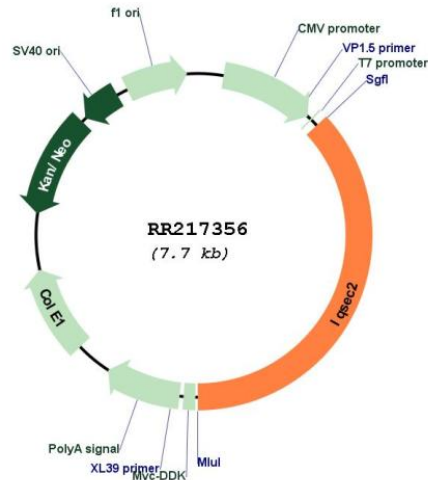
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001277386

ORF Size: 2847 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_001277386.1](#), [NP_001264315.1](#)

RefSeq Size: 4547 bp

RefSeq ORF: 2850 bp

Locus ID: 685244

Cytogenetics: Xq13

MW: 105.2 kDa