

Product datasheet for RN217644

Iqsec2 (NM_001277425) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Iqsec2 (NM_001277425) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Iqsec2
 Synonyms: RGD1562109
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN217644 representing NM_001277425
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGGCGGGTCCGGTCTCCGGTGGCCCGGGATCTGAGAGCCCCAACCGGGCGGTGGAGTACCTGC
 TGGAGCTGAACAACATCATCGAGAGTCAGCAGCAGCTGTTGGAGACCCAGCGCGCGCATAGAAGAGCT
 GGAGGGCCAGTTGGACCAGCTCACCCAGGAGAACCAGCAGCTGCGGGAGGAGAGCCAGCTGCACCGTGGG
 GAACTGCACCGGGACCCCTTGGCGCGCGGGATAGTCTGGCCGCGAGAGCCAGTACCAGAACCTGCGTG
 AGACCCAGTTCACCCACCGCGAGCTGCGGGAGAGCCAGTTCACCCAGGCGTCCCGGGACGTGGGCTACCC
 GAACCGGGATGGCGCTTACCAGAACCAGGAAAGCTATCTATCGGGATAAGGAGCGAGAAGCTTCTATCAG
 CTCCAGGACACTACCGGTTACACAGCCCGCAGCGCAGCTGGCCAGTGCCACCTGCACCATGAGAACC
 CAGCCCTGGTTCGCGAGCGTGGCGGGAGGGAGGCTGGGCCAGCGCACCCGGGCGCGAGAAGGAAGCCGG
 CTATTCGCGCGCGGTGGGCGTGGGCGAGCGCCACCGCGGGAGCGGGGCCAGTTGAGCCGTGGCGCATCC
 AGAAGCTCCAGCCCTGGCGCGGGCGGAGGTCACAGCACCAGTACCAGCACCAGCCCTGCTACAACCTCC
 AGAGAAAATCTGATGGTGAGAATCCAGAACAGTCAGTGTGGAGGTGATGCCCCAGGAGTACCTGAG
 CACAGCGTTGATAGTCTGGGAGCCAACCCCTACCGGCTGAGCCAAGTCCCCCAACCCAGCAGCCAC
 ATGGGGGGCCCCCTGCTGGCGTGGGCCTACCTGGTCTCAGAGGGCTCGCCTCCAGCCAGCCAGTGTCCG
 CCCTGAGGAAGCAGGAGGAGGAGGAGATAAAGCGCTCCAAGGCCCTGTCAGACAGCTATGAACTCTCCAC
 AGACCTACAGGACAAGAAGGTGGAAATGCTGGAGAGGAAGTATGGGGGCTCCTTCTGAGCCGAGGGCT
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 CTTGAGAGAGCCGATGTCCCGCCGATCATCTTGTCCAACATGCGGATGCAGTTCTCCTTTGAGGAGTA
 CGAGAAAGCACAGAACCCTGCATACTTCGAAGGCAAGCCTGCCTCATTGGATGAGGGTCAATGGCTGGA
 GCCCGGAGCCACCGGCTTGAACGGGGCCTCCCCTATGGAGGCTCCTGTGGTGGGGCATCGATGGTGGTG
 GAAGTTAGTCACACATCTGGAGAGTTTTCTAATGACATCACAGAGCTCGAGGACTCCTTCTCCAAACA
 GGTAAAGTCTCTGGCTGAATCCATTGATGAGGCCTTGAAGTCCACCCATCAGGGCCTATGTCTGAGGAG
 CCAGGGTCAGCCCAACTGGAGAAGCGGGAATCAAAGGAACAGCAAGAAGCAGCTCAGCCACATCCTTCA



GTGACCTCCCCCTCTACTTGATGACCCAGTTCCTCCTCCATCACCTGAGCGACTGCCAGCACAGAGCC
 CCCACCCCAAGGCCGCCCTGAGTTCTGGGCACCAGCTCCCCTCCCACCAGTTCCTCCACCAATGCCACCA
 GGGACCCGGGAAGATGGTAGCCGTGAGGAAGGCACTCGAAGGGTCTGGGTGCTTGAGTGGCCGGGATT
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 TGACCCGCTCAGATCGCGGCTCTGTCCACCGCCAGCTGGTGTATGAGGCTGATGGCTGCAGCCCCATGGG
 ACCCTGAAGCACAAAGGGGCCACCAGGCAGGGCCCAATCCCACACCGCCACTACCCTGCCCTGAGGGTC
 CAGCTCCAGCCCCACCAGGGGCCCTGCCACCAGCCCCCAATAGTGGTACTGGGCCAGTGGTGTGGCTGG
 AGGTCCGAGGTTGGGAAAGTGTGAGGCAGCAGGTGAGAACTCTGATGGTGGAGACAATGAGAGCCTTGAG
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 CAACAATGACGTGGTACAAAGAAGGCATTACAGAATTGGCCTCAACCTCTTCAATAAGAAGCCAGAGAAG
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 AGCGGAAAGGCCGTGATCGGCAGATGATAGGGGAATCCTGGGAATCGACAGAAGCAGTTCAACAGAGA
 TGTGTTGACTGTGTGGTGGATGAGATGGACTTCTCCTATGGATTTGACGATGCACTCAGGAAGTTC
 CAATCCCATATCCGAGTTCAGGGTTCAGGCCAGAAAGTGGAGCGACTCATTGAAGCTTTCAGCCAGCGGT
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 CATCATCCTCCTCAATACCGATATGTACAGCCCCAGTGTCAAGGCTGAACGCAAGATGAAGCTGGATGAC
 TTCATTAAGAACCTGAGAGGAGTTGACAAATGGTGAAGACATCCCCGAGACCTCCTAGTAGGCATCTACC
 AGCGCATCCAAGGTGCTGAACTAAGGACCAACGATGACCATGTGTCCCAGGTGCAGGCTGTGGAGCGCAT
 GATTGTTGGCAAGAAACCGGTCCTGTGCTCCCTACCCTCGACTGGTTTGTGCTGCCAGCTCTATGAG
 GTGCCAGATCAAATCGCCCCAAAGGCTGGGGTGCATCAGCGGGAGGTCTTCTCTTCAATGACCTCC
 TTGTGGTACCAAAAATTTCCAGAAGAAGAAGATCTTGGTACATACAGCTTCCGTGAGTCTTTCCCT
 GGTGAAAATGCATATGCAGCTCTTCCAGAATTCATATTACAGTTTGAATCAAGTTACTATCTCGGTA
 CCTGGAGGGGAACGAAAAGTTCTCATTATCTTTAATGCTCCTAGCCTCCAAGACAGGCTACGCTTTACCT
 CTGACCTGCGGGAGTCCATTGCTGAGGTGCAGGAGATGGAGAAGTACCGTGTGGAATCGGAGCTGGAGAA
 GCAGAAAGGTATGATGCGGCCTAATGCCTCACACCTGGAGGAGCCAAGGACTCAGTGAATGGGACTCTG
 GCCCGCAGTAGTCTGGAGGACACTTATGGGGCAGGCGATGGGCTCAAGCGGGGTGCACTCAGTAGTTCC
 TGCGAGACCTCTCTGATGCAGGGAAGCGGGGGCGGCGTAACAGCGTGGGATCGCTGGACAGCACCATCGA
 AGGGTCTGTTATTAGCAGTCCACGCCCTACCAGAGGATGCCACCTCCGCCCCACCCCCGCCAGAG
 GAGTACAAGAGCCAGAGGCCAGTCTCCAACCTCATCTTCTGGGCTCCCTATTTGGAAGCAAGAGAG
 GCAAAGGGCCCTCCAGATGCCACCACCCCAACAGGCCAGGCCCTGCCTCGTCTTCATCTGCTTCCCTC
 CACCCACCACCACCATCACCCACCACCATGGTCACAGCCATGGTGGCCTGGGGGTGCTACCTGATGGG
 CAGTCAAAGCTCCAGGCCCTGCATGCCAGTATTGCCAAGGACCGGGCCCTGCCCCACCACCTCTACAA
 CCCCCAGCAACCCCTCTGCCTCCACCCCTCAGCAGCCTCCACCCCTGCCCCAGCTGGGCTCCATTCC
 ACCACCACCTGCCTCAGCCCCACCTGTGGGGCCACATCGACACTTCCATGCCCATGGCCAGTTCAGGA
 CCCCAGCATTACCTTGGGCCGGCCAGGACAGCCCCAAGACGAGGGGCTGGAGGACACCCCTCAGTTTG
 CTCCACATGGCCGCCACCCCTTGACCAGCCACATCCCCGTTACCCCTGTACAGTCTGCTCCACAGCA
 CCCTCTGCCATAAACAGGGCCCCAAGCACTTCACTTCAGTACCACCCACAGATGATGCCAGCAGCA
 GGTGCAGCTGGGGCCCTGGGTCCGGCCACCAGGGGATCCTACTCCACCCCTACCACCCCAATCAC
 CACTGTCCCACACTCACCCATCCACCTCACCCCTCTACCCGCCCTGCCCCACCCTCACCTCACAC
 TCCACATTCACCCCTACCACCCCTCCCCCATGGCCACTGCACGCTCTGGGCCCTGGCAGGGCT
 AATCCACCAGTGCAAACCCCAAGGCCAAGCCGGATCAGCACTGTGGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001277425
 Insert Size: 4467 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001277425.1</u> , <u>NP_001264354.1</u>
RefSeq Size:	5362 bp
RefSeq ORF:	4467 bp
Locus ID:	685244
Cytogenetics:	Xq13