

## Product datasheet for RN205011

### Iqsec3 (NM\_207617) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Iqsec3 (NM_207617) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Iqsec3
Synonyms:	sag
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN205011 representing NM_207617 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGAGCTGTGGAGAACCCTGCGCGCCGTCTACCTAAGGAGCTCACGGCCATCGTGCAGAACAGCAAAGCCTCATCCATACCCAGCGCCAGCGCATCGATGAGCTGGAGCGCGCTAGACGAGCTGAGCGGGAGAACCAGCCTGTGGGAACACCAGCAGCTGCTGCAAGCCAGCCTCCGCTGGGCTGGTCCCGCCGTCTGCCCACTGCGGGCTCCTGCAGCCACTGCTCCGGCCGCCACTGCGGCCCAGGAACCGCTTAGGACCAGGACAGCTACATCCCGCCACGCCGGAGCCGCGCTTACAGACCACGGACAGCTCCTGGCAGACGCCAGCCGGCCCCAGCAGCAGGGTTACAGCTCCCCAGTCGCCCCACCAGCACCCGGTGGCACCCGGGGCCGTAGCTGACAAGGAGAAGGAGCGTCCCTCGAGTTGTTGTGCTGCCGCGGGAGCCCTGCTTACGACAGCATCCCCCGCCGCTCGGCAAGGGCGTCTGAGCAGGAGACCAAGAATGAGACCGTGTACACCAATTCTGCTGCCCGCCACTGACACTGAGCAGAAGCCTGCTTGTCTGACCTGGCTTCCCAAAGTATGGCTCCGTGCCAGGCCGGTGGGGCATGGAGGACTCCGTGGTGGCAGCGGTGGCAGCCGGCAGACCCAGTGGCCATGCCCCGAAGGCTCAAGCCCCGGAGCTACAGCAGGAGGAGGAGCGGCCAGGGGCGGTGGCTCCCCAGGGCTGGCCCCCTCCGCGCGGCCCTCCCTGGCCAGCAGCAGCCTGCCTGGCGACGCGCTCTGCTCCACACTCCTGTGCCTCCGAGTACGAACTCTCCCTTACCTAAAGAATAAACAGATTGAAATGTAGAACACAATAACGGGGGCCACCTGGTATCCCGACGCGCCGCTGCACCATCAAACCCTTTTCGCCAGTACCAGTCAGCAAGAACTTTGAGAAGATCCGTAACCTGCTCCTGGAGAGCCGCTGCCTCGGCGGATCTCGTGCAGAAGGTGAGGGCGCCACAGCGAAAGCCTGGTGGCAGAGAAGGCACTCCTGGAGAGCTGTGGCTCCTGGGCTCCCCTCGCCCTCCCTACCACCACCTTCGAGGCTCTCTACCAGCTGGAGGACTCTTTACCAGCAGGTGCAGTCCCTGGCCAAGTCCATAGACGACGCCCTCAGCACCTGGAGCTCAAGACATGTGCTCGCTGCAGGAGTGGCGGTACCAGCTCCACCAGGCGCTGCACCCTAGTGCCGGGCAGCCAGGTCTGGAGACCGAGGCGCGCGGGAGCCGACAGCGGCCAGGGTCAGGAGATGAGGCCGGTAGCCTGCCTCAGGGTCACAGCGGTACCCTCATGATGGCTTCCGGGACGTACCGTGCAGATCGTAACCAGAATCTCTGTTTCTCCTCCACCGCCCTGTCTGTGGTAACTGTCTGGCGCACAGACCGCTCAGGCCACAGCCG



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AGCCTGCAGCCGTTCAAACCGAACCAAGGGGACGCTGCGACTCAGGAGGTCTCGGAAGTCCCAGCCTCGGA  
 ACTGATGGACCCACCCGTTGAGGACTCAGAGCGGGCGGAGAGCGGCCCCAGAGCGCACAGAACCCACG  
 GTGGCCGAGGCCGTGGTGGAGGAGGCACTGGCTACAGAAGCAGAAGAGGAAGAAGAGGGCCGGGCGAGG  
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 GGTGCTGCACTTCTGCGCCCTGGGCTCCGACGAGATGCAGAAGTTCGTGGAAGACCTGAAGGAGTCCATC  
 GCCGAGGTGACAGAGCTGGAGCAGATTCGGATAGAATGGGAACGGAGAGGCAGCAGGGAACAAAGACAC  
 TCTCTGCAAGGTCTGCTGGAGCCAGGGGACCCACAGTCAAAGCAAGGATCACCCACAGCCAAGAGGGA  
 AGCGATGGCAGGAGAAAAGCGACGGAGAGCTCGGGGGAGGTGCAATTCACAACAGGCTTCAAACGTTT  
 CAGCACAGCCCCAAGTTGGGGTTCGAGAGGGGAGCGCCAGCACCATCACCAACATCACCAACCCAC  
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 ACCCCAGGCACCCTGGTACAGTGCCAGCAAATTGTCAAGGTCATTGTCTGGATAAACCCCTGCTTGGCC  
 CGCATGGAGCCCCTGCTGAGCCAGGCTCTGTCTGCTATGCTCATCCTCCTCAGACTCCTGTGGCTCCA  
 CACCTTTGCGTGGTCCGGGCTCCCCAGTTAAGGTATCCACCAGCCTCCACTGCCCCACCCCAACCC  
 ATACAACCACCTCACCAGTTCTGCCACCAGGCTCTCTGCTACTCCGGCGCCGCTACTCCAGTGGCTCC  
 AGGAGCCTGGTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_207617
- Insert Size:** 3585 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:** [NM\\_207617.1](#), [NP\\_997500.1](#)

**RefSeq Size:** 7410 bp

**RefSeq ORF:** 3585 bp

**Locus ID:** 404781

**UniProt ID:** [Q76M68](#)

**Cytogenetics:** 4q42

**Gene Summary:** Acts as a guanine nucleotide exchange factor (GEF) for ARF1.[UniProtKB/Swiss-Prot Function]