

Product datasheet for MC223929

Iqsec3 (NM_001033354) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Iqsec3 (NM_001033354) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Iqsec3
Synonyms:	AK122446; BRAG3; mKIAA1110; synarfGEF
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223929 representing NM_001033354 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGAGCTGTGGAGAACCCTGCGCGCCGTCTACCTCAAGGAGCTCACGGCCATCGTGCAGAACAGCAAAGCCTCATCCATACCCAGCGCCAGCGCATCGATGAGCTGGAGCGCGCTAGACGAGCTGAGCGGGAGAACCAGCCTGTGGGAACACCAGCAGTTGCTGCAAGCCAGCCTCCGCTGGGTGGTTCCCGCCCGCTCTGCCACTGCCTGCTCCTGCAGTCACTGCTCCGGCCGCGCTGCGGCCAGGAACCGCTTCAGGACCAGGACAGCTCATACCCGCTTACCCGGAGCCGCGCTTACAGCACCAGGTCAGTCCCTGGCAGCCCCAACCTGCACCCAGCAGCAGGGTTACAGACTCCTCAGTCGCCCCACCAGCACCCGGTGGCACCCGGGCCATAGCTGACAAGGAGAAGGAGCGTCCCTCGAGTTGTTGTGCTGCCGCGGGAGCCCTGCTTCAACACGCATCCCCCGCCCTCGGCAAGGGCGTCTGAGCAGGAGACCCGAGAATGAGACTGTGCTACACCAATTCTGTGCCCTGCCGCTGACACCGAGCAGAAGCCTGCCTGCTCCGACCTGGCTTCCCAAAGTGATGGCTCCTGTGCCAGCCGGTGGGGCATGGAGACTCCGTGGTGGCAGCGGTGGCAGCCGGCAGACCCAGTCCCATGCCCGAAGGCTCAAGCCCGGAGCTACAGCAGGAGGAGGAGCGCCAGGGCAGTGGGCTCCCCACGGGCTGGCCCCCTCCGCGCGCCTCTCCTGGCCGCGCAGCAGCCTGCCCTGGCAGCGGCTCTGCTCCCACTCCTGCTGCCCTCCGAATACGAACCTCCCTTGACCTAAAGAATAAACAGATTGAAATGCTAGAACAACAAATACGGGGCCACCTGGTATCCCAGCGCGCGCTGCACCATTCAAACCGCTTTTCGCCAGTACCAAGCTCAGCAAGAAGTTTGAGAAGATCCGTAACCTCGCTCCTGGAGAGCCGCTGCCTCGGGGATCTCACTGCGCAAGGTGAGGGCGCCACAGCGGAGAGTCTGGTGGCAGAGAAGGCGCTCCTGGAGGGCTGTGGCTCTTGGGCTCCCGCTGGGGCGCTCGCCCTCGCTGCCGCCACCTTCGCTGGCTCGCTCACCGAGCTGGAGGACTCCTTTACCGAGCAGGTGCAGTCCCTGGCCAAGTCCATCGACGACGCCCTCAGCACCTGGAGCCTCAAGACCATGTGCTCGCTGCAAGAGAGTGGCGGTACCAGCTCCACCAGGCGCTGCACCCGAGTGGGGACAGCAGGCCTGGAGACCGAGGCGGGCGCGGGAGCCAGAGAGCGGCCCGGGTCTGGAGATGAGCCGGTGGTCTGCCTCAGGGTCACAGCGGTACCCTCATGATGGCTTCCGGGACGTTACGGTGCAGATCGCTAACCAACATCTCTGTTTCTCCTCCACCGCCCTGTCTGTGGCAACTGTCTGGTGCACAGACCGCCAGGCCA



[View online »](#)

CAGCCGAGCCTGCTGCCGCCAAGCCGAACAAGAGGACACCGGGATCAGGAGGTCTCGGAAGTCCCAGC
 CTCGGAACAGATGGACCCACCCAGTGGAGACTCAGAGGCAGCGGAGAGCCGCGCCAGAGCGCACAGGAA
 CCCGCGGTGGCACAGGCCGTGGTGGAGGAGGCGGTGGCTACAGAGGCAGAGGAGGAAGAGGAGGGGGCCA
 AACAGGCAGGGAAGGGGGCAGAGGCCGAGGAGGCGACAACCTCTGAGCAGCTGAGCAGCAGCAGCGCTTC
 CACCAAGTCTGCCAAATCCAGCTCAGAGGCTTCTGCCGTGCCTCCAAGGAGGCCCTGCAGGCTGTATC
 CTGAGCTTGCCCCGCTATCACTGCGAGAACCAGCCAGCTGCAGGTCCCCACGCTCTCCACAGACACCC
 TGGCAAGCGGCTGTACCGCATCGGCCCTAACCTCTTCAACATAAATCCGGACAAGGGCATCCAGTTCCCT
 GATCTCACGTGGCTTATCCCTGACACCCCATCGGTGTGGCCACTTCTCCTCCAGCGTAAAGGCCCTC
 AGCCGCCAGATGATAGGAGAGTTCTGGCAACAGCAAGAAGCAGTTCAACCGGGACGTGCTGGACTGTG
 TGGTAGATGAGATGGACTTTTCCAACATGGAGCTGGATGAAGCCCTGAGGAAGTTTCAAGCCACATCCG
 TGTGCAGGGGAAGCACAGAAGGTGGAGCGACTCATAGAAGCTTTCAGCCAGCGCTACTGCATGTCAAT
 CCTGAGGTGGTGAACAGTTCCACAACCAGACACCATCTTATCCTGGCCTTGGCCATCATCTTCTCA
 ACACCGACATGTACAGCCCCAACATCAAGCCTGACCGGAAGATGATGCTAGAAGACTTTATCCGGAACCT
 CCGAGGTGGATGATGGTGCAGACATCCCAGAGAACTGGTGGTAGGCATCTATGAGAGGATCCAGCAA
 AAGGAGCTCAAAATCCAATGAGGACCATGTCACATATGTACCAAGGTGGAGAAGTCCATCGTGGGATGA
 AGACGGTGTGCAATGCCACACCGTCCGCTGGTCTGCTGTAGCCGGCTCTTCGAGGTGACCGATGTGAA
 CAAGCTACAGAAACAAGCAGCACACCAGAGAGAAGTGTCTCTTCAATGATCTGCTTGTGATTCTCAAG
 CTATGCCAAAGAAGAAGAGCTCCTTACGTACACCTTCTGCAAGGCAGTCGGCCTGTTAGGCATGCGCT
 TTCACCTCTTCGAGAACGAGTATTACTCCCATGGCATCACCTGGCAACCCCACTCTCGGGCTCCGAGAA
 GAAGCAGGTGCTGCACTTCTGTGCCCTGGGCTCCGACGAGATGCAGAAGTTCTGGAAGACCTGAAGGAG
 TCCATCGCTGAGGTGACAGAGCTGGAGCAGATCCGGATAGAATGGAACTGGAGAAGCAGCAGGGCAGAA
 AGACTCTCTCCGTAAGGTCTGCTGGAGCCCAAGGGGACCCACAGTCGAAGCAAGGATCACCCACAGCCAA
 GAGGGAGGCGATGGCAGGAGAGAAAGCGCGGAGAGCTCGGGGAGGTGTCAATTCACAACAGGCTTCAA
 ACGTCCCAGCACAGCCCCAAGTTGGGGTTCGAGAGGGGAGCGCCTGCACCATCACCAACATCACCCAC
 CGCGTTGCCGCCAGACCACAGCCTAGCCCCCTGAGGGAGCAGCCCCACCGCTGCCACTGCCACCACC
 CACACCTCCAGGCACCCTGGTACAGTGCCAGCAGATTGTCAAGTTCATTGTCTGGACAAACCCTGCTTG
 GCCCGCATGGAGCCCCTGCTGAGCCAGGCTCTGTCTGTACGCCTCATCTCCTCAGACTCCTGTGGCT
 CCACACCTTGGCTGGTCCAGGCTCCCCAGTTAAGGTATCCACCAGCCTCCACTGCCCCCGCCCCGCC
 CCCATAACAACCCTCATCAGTTCTGCCCCAGGCTCCATGCTGCTCCGGCGCGTTACTCCAGCGGC
 TCCAGGAGCCTGGTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001033354

Insert Size:

3588 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_001033354.3](#), [NP_001028526.1](#)

RefSeq Size: 6861 bp

RefSeq ORF: 3588 bp

Locus ID: 243621

UniProt ID: [Q3TES0](#)

Cytogenetics: 6 F1

Gene Summary: Acts as a guanine nucleotide exchange factor (GEF) for ARF1.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longer isoform (1).