

Product datasheet for **MC224548**

Iqsec2 (NM_001114664) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Iqsec2 (NM_001114664) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Iqsec2
Synonyms:	Brag1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224548 representing NM_001114664 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGGCGGGTCCGGTCTCCGGTGGCCCGGATCTGAGAGCCCAACCGGGCGGTGGAGTACCTGC
TGGAGCTGAACAACATCATCGAGAGTCAGCAGCAGCTGTTGGAGACCCAGCGCGCGCATAGAAGAGCT
GGAGGGCCAGTTGGACCAGCTCACCCAGGAGAACCAGCAGCTGCGGGAGGAGAGCCAGCTGCACCGTGGG
GAACTGCACCGGGACCCCTTGGCGCACGGGATAGTCTGGCCGCGAAAGCCAGTACCAGAACCTGCGTG
AGACCCAGTTCACCCACCGCGAGCTGCGGGAGAGCCAGTTCACCCAGGCGTCCCGGGACGTGGGCTACCC
GAACCGGGATGGCGCTTACCAGAACCAGGAAAGCTATCTATCGGGATAAGGAGCGAGAAGCCTCTATCAA
CTTCAGGACACTACCGGTTACACAGCCCGCAGCGCAGCTGGCCCAATGCCACCTGCACCATGAGAACC
CAGCCCTGGTTCGCGAGCGTGGCGGGAGGGAGGCTGGGCCAGCGCACCCGGGCGCGAGAAGGAAGCCGG
CTATTCGCGCGCGGTGGGCGTGGGCGAGGTCACAGCACCAGTACCAGCACCAGCCCGGCTACAACCTCC
AGAAGTCCAGTCTGGCGTGGCGGAGGTCACAGCACCAGTACCAGCACCAGCCCGGCTACAACCTCC
AGAGAAAATCTGATGGTGAAGTCCAGAACAGTCAAGTGTGGAGGATGATGCCCAAGCAGTGCACCTGAG
CACAGCGTTGATAGTCTGGGAGCCAACCCCTACCGGCTGAGCCAACCTACCCCCACCAGCAGCCAC
ATGGGGGGCCCCCTGCCGGGTGGGCCTTCTTGGGCTCAGAGGGCACGCTGCAGCCAGCCAGTGTCCG
CCCTGAGGAAGCAGGAGGAGGAGATCAAGCGCTCCAAGGCCCTGTCAGACAGCTATGAACTCTCCAC
AGACCTGCAGGACAAGAAGTGGAAATGCTGGAGAGGAAGTATGGGGGCTCCTTCTGAGCCGAGGGCT
GCCAGGACCATCCAGACAGCCTTTCGACAGTACCGTATGAATAAGAACTTTGAGCGGCTGCGCAGCTCAG
CTTCAGAGAGCCGATGTCCCGCCGATCATCTTGTCCAACATGCGGATGCAGTTCTCTTTGAGGAGTA
CGAAGAACACAGAACCCTGCATACTTCGAGGGCAAGCCTGCCTCATTGGATGAGGGTGCATGGCTGGC
GCCCGGAGCCACCGGCTTGAACGGGGCCTCCCTTATGGAGGCTCCTGTGGTGGGGCATCGATGGTGGTG
GAAGTTCACTCAGCACATCTGGAGATTTTCTAATGACATCACAGAGCTCGAGGACTCCTTCTCAAACA
GGTAAAGTCTCTGGCTGAATCCATTGATGAGGCCCTGAACTGCCACCCATCAGGGCCTATGTCTGAGGAG
CCAGGGTCAGCCCAACTGGAGAAGCGGGAATCAAAGGAACAGCAAGAAGACAGCTCAGCCACATCCTTCA



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GTGACCTCCCCTGACTTGATGACCCAGTTCCTCCTCCATCACCTGAGCGACTGCCAGCACAGAGCC
 CCCACCCCAAGGCCGCCCTGAGTTCTGGGCACCAGCTCCCCTCCCACCAGTTCCTCCACCAATGCCACCA
 GGGACCCGGGAAGATGGTAGCCGTGAGGAAGGCACTCGAAGGGTCTGGGTGCTTGAGTGGCCGGATT
 TCCGGCTCCGGCTGCACACCTCCCCTCCTCACCATTGAGCCTCCCAGTGACAGTTCTGTAGACCTGAG
 TGACCGCTCAGATCGCGGCTCTGTCCACCGCCAGCTGGTGTATGAGGCTGATGGCTGCAGCCCCATGGG
 ACCCTGAAGCACAAAGGGCCACCAGGCAGGGCCCAATCCCACACCGCCACTACCCTGCCCTGAGGGTC
 CAGCTCCAGCCCCACCAGGGCCCTGCCACCAGCCCCAATAGTGGTACTGGGCCAGTGGTGTGGCTGG
 AGGTCCGAGGTTGGGAAGTGTGAGGCAGCAGGTGAGAACTCTGATGGTGGAGACAATGAGAGTCTGGAG
 AGCTCCAGCAACTCTAATGAGACCATCAACTGCAGCTCTGGCTCCTCCTCTCGGGATAGCCTGAGGGAAC
 CGCCAGCCACTGGCCTGTGCAAGCAGACTTACCAGCGGGAGACAAGGCACAGCTGGGACTCGCCAGCCTT
 CAACAATGATGTGGTACAAAGGCGACATTACAGAATTGGCCTCAACCTCTTCAATAAGAAGCCAGAGAAG
 GGTATCCAGTATTTGATCGAACGAGGCTTCTGTCTGACACTCCTGTTGGGGTGGCTCACTTCATCTGG
 AGAGAAAGGCCCTGAGCCGGCAGATGATAGGGGAATCCTGGGAATCGGCAGAAGCAGTTCAACAGAGA
 TGTGTTGACTGTGTGGTGGATGAGATGGACTTCTCCTATGGATTTGGACGATGCACTCAGGAAGTTC
 CAATCCATATCCGAGTTCAGGGGGAGGCCAGAAAGTGGAGCGACTCATTGAAGCTTTCAGCCAGCGGT
 ACTGTGTCTGTAACCCTGCCCTCGTACGCCAGTTCGGAAACCCAGACACCATCTTCATCCTTGCTTTTGC
 CATCATCCTCCTCAATACCGATATGTACAGCCCCAGTGTCAAGGCTGAACGCAAGATGAAGCTGGATGAC
 TTCATTAAGAACCTGAGAGGAGTTGACAATGGTGAAGACATCCCCCGCGACCTTCTAGTAGGCATCTACC
 AGCGCATCCAAGGTGCTGAAGTGAAGGACCAATGATGACCATGTGTCCCAGGTGCAGGCTGTGGAGCGCAT
 GATTGTTGGCAAGAAACCGTCTGTGCTCCCTCACCCTGACTGGTTTGTGCTGCCAGCTCTATGAG
 GTGCCAGATCAAACCGTCCCCAAAGGCTGGGGTGCATCAGCGGGAGGTCAACAAAATTTCCAGAAGA
 AGAAGATCTTGGTGACATACAGCTTCCGTGAGTCTTCCCCTGGTGGAAATGCATAGCAGCTTCCCA
 GAATTCATATTACAGTTTGGGATCAAGTTACTGTCTGCAGTACCTGGAGGGGAACGAAAAGTCTCATC
 ATCTTAATGCTCCTAGCCTCAAGACAGGCTACGCTTTACCTCTGACCTGCGGGAGTCCATTGCTGAGG
 TGCAGGAGATGGAGAAGTATCGTGTGGAATCGGAGCTGGAAGAGCAGAAAGGTATGATGCGGCCTAATGC
 CTCACAGCCTGGAGGAGCCAAGGACTCAGTGAATGGGACTCTGGCCCGCAGTAGTCTGGAGGACACTTAT
 GGGGCAGGCGATGGGCTCAAGCGGGTGCAGTCAAGTTCCTGCGAGACCTCTCTGATGCAGGGAAGC
 GGGGGCGCGTAACAGCGTGGGATCGCTGGACAGCACCATCGAAGGGTCTGTTATTAGCAGTCCACGCC
 TCACCAGAGGATGCCACCTCCGCCCCACCCCGCCAGAGGAGTACAAGAGCCAGAGGCCAGTCTCC
 AACTCCTCATCTTCTGGGCTCCCTATTTGGAAGCAAGAGGGGCAAAGGGCCCTCCAGATGCCACCAC
 CACCAACAGGCCAGGCCCTGCTGCTTCTCATCTGCTTCTCCACCCACCACCACCATCACCACCACCA
 CCATGGTCAAGCCATGGTGGCCTGGGGTGTACCTGATGGGCAGTCCAAGCTCCAGGCCCTGCATGCC
 CAGTATTGCCAAGGACCGGGCCCTGCCCCACCACCTACCTCCCACCCAGCAACCCCTCTGCCTCCAC
 CCCCTCAGCAGCCTCCACCCCTGCCCCAGCTGGGCTCCATTCCACCACCACCTGCCTCAGCCCCACCTGT
 GGGGCCACATCGACACTTCCATGCCCATGGCCAGTTCAGGACCCACAGCATTATACCTTGGGCCGGCCA
 GGCAGAGCCCCAAGACGAGGGGCTGGAGGACACCTCAGTTTGTCCACACGGCCGCCACCCCTTGACC
 AGCCACATCCCCATTACCCCTGTACAGTCTGCTCCACAGCACCTCCTGCCATAAACAGGGCCCCAA
 GCATTCATCTTCACTCACCACCCACAGATGATGCCAGCAGCAGGTGCAGCTGGGGGCCCTGGGTCCCG
 CCACCAGGGGGATCCTATTCCCACCTCACCACCCCAATCACCCTGTCAACACACTCACCACATCCCAT
 CTCATCCCTCCTACCCTCCCTGCCCCACCTCACCTCACACCCACATTCACCCTACCACCCACCTC
 CCCCCATGGCCACTGCACGCTCTGGGCCCTGGCACGGCTAATCCACCCAGTGCAAACCCCAAGGCC
 AAGCCAAGCCGGATCAGCACTGTGGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001114664
 Insert Size: 4440 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:	<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_001114664.2</u> , <u>NP_001108136.1</u>
RefSeq Size:	5995 bp
RefSeq ORF:	4440 bp
Locus ID:	245666
Cytogenetics:	X 68.46 cM
Gene Summary:	<p>Is a guanine nucleotide exchange factor for the ARF GTP-binding proteins.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>