

Product datasheet for **MC222816**

Iqsec2 (NM_001005475) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Iqsec2 (NM_001005475) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Iqsec2
Synonyms:	Brag1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222816 representing NM_001005475
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAACCCCCCTGGAGGAGCAGCAGGTCACAGCGTCTCATACTCTACACCAGTATTGCTGTCCTACTC
 AGGTCCTTGACTCCATGAAGCTTACCCCTCAGGCAGGCTGGCAGAGAGCAGTGTGGAGGGTGTGCCCC
 AGGCAGTGACCTGAGCACAGCGTTGATAGTCCTGGGAGCCAACCCCTACCGCTGAGCCAACCTACCC
 CCCACCAGCAGCCACATGGGGGGCCCCCTGCCGGGTGGGCCTTCTTGGGCTCAGAGGGCAGCGCTGC
 AGCCAGCCAGTGTGCCCTGAGGAAGCAGGAGGAGGAGATCAAGCGCTCCAAGGCCCTGTCAGACAG
 CTATGAACTCTCCACAGACCTGCAGGACAAGAAGGTGAAATGCTGGAGAGGAAGTATGGGGCTCTTC
 CTGAGCCGAGGGCTGCCAGGACCATCCAGACAGCCTTTCGACAGTACCGTATGAATAAGAACTTTGAGC
 GGCTGCGCAGCTCAGCTCAGAGAGCCGATGTCCCGCCGATCATCTTGTCCAACATGCGGATGCAGTT
 CTCCTTTGAGGAGTACGAGAAAGCACAGAACCCGCATACTTCGAGGGCAAGCCTGCCTCATTGGATGAG
 GGTGCCATGGCTGGCGCCGGAGCCACCGGCTTGAACGGGGCCTCCCTTATGGAGGCTCCTGTGGTGGGG
 GCATCGATGGTGGTGAAGTTCAGTCACCACATCTGGAGAGTTTTCTAATGACATCACAGAGCTCGAGGA
 CTCCTTCTCCAAACAGGTAAGTCTCTGGCTGAATCCATTGATGAGGCCCTGAACTGCCACCCATCAGGG
 CCTATGTCTGAGGAGCCAGGGTCAGCCAACTGGAGAAGCGGGAATCAAAGGAACAGCAAGAAGACAGCT
 CAGCCACATCCTTCAGTGACCTCCCCGTACTTGGATGACCCAGTTCCTCCTCCATCACCTGAGCGACT
 GCCCAGCACAGAGCCCCACCCAAAGGCCGCCCTGAGTTCTGGCACCAGCTCCCTCCCACAGTTCCT
 CCACCAATGCCACCAGGGACCCGGGAAGATGGTAGCCGTGAGGAAGGCACTCGAAGGGTCTGGGTGCT
 TGGAGTCCCGGATTTCCGGCTCCGGCTGCACACCTCCCCTCCTCACCATTGAGCCTCCAGTGCAG
 TTCTGTAGACCTGAGTGACCGCTCAGATCGCGGCTCTGTCCACCAGCAGTGGTGTATGAGGCTGATGGC
 TGCAGCCCCATGGGACCCTGAAGCACAAGGGGCCACCAGGCAGGGCCCCAATCCACACCGCCACTACC
 CTGCCCTGAGGGTCCAGCTCCAGCCCCACCAGGGCCCCCTGCCACCAGCCCCAATAGTGGTACTGGGCC
 CAGTGGTGTGGCTGGAGGTCGGAGGTTGGGGAAGTGTGAGGCAGCAGGTGAGAACTCTGATGGTGGAGAC
 AATGAGAGTCTGGAGAGCTCCAGCAACTTAATGAGACCATCACTGCAGCTCTGGCTCCTCCTCTCGGG
 ATAGCCTGAGGGAACCGCCAGCCACTGGCCTGTGCAAGCAGACTTACCAGCGGGAGACAAGGCACAGCTG
 GGACTCGCCAGCCTTCAACAATGATGTGGTACAAAGCGCATTACAGAATTGGCCTCAACTCTTCAAT
 AAGAAGCCAGAGAAGGTATCCAGTATTTGATCGAACGAGGCTTCTGTCTGACACTCCTGTTGGGGTGG
 CTCACCTCATCCTGGAGAGGAAAGGCCTGAGCCGGCAGATGATAGGGGAATCCTGGGGAATCGGCAGAA
 GCAGTTCAACAGAGATGTGTTGGACTGTGTGGTGGATGAGATGGACTTCTCCTCTATGGATTTGGACGAT
 GCACTCAGGAAGTTCCAATCCCATATCCGATTCAGGGGGAGGCCAGAAAGTGGAGCGACTCATTGAAG
 CTTTCAGCCAGCGGACTGTGTCTGTAACCCTGCCCTCGTACGCCAGTTCGGGAACCCAGACACCATCTT
 CATCCTTGCTTTTGCCATCATCTCCTCAATACCGATATGTACAGCCCCAGTGTCAAGGCTGAACGCAAG
 ATGAAGCTGGATGACTTCATTAAGAACCTGAGAGGAGTTGACAATGGTGAAGACATCCCCCGCAGCTTC
 TAGTAGGCATCTACCAGCGCATCCAAGGTCGTGAACTGAGGACCAATGATGACCATGTGTCCAGGTGCA
 GGCTGTGGAGCGCATGATTGTTGGCAAGAAACCGTCTGTGCTCCCTCACCCTGACTGGTTTGTGTCG
 TGCCAGCTCTATGAGGTGCCAGATCCAAACCGTCCCCAAAGGCTGGGGCTGCATCAGCGGGAGGTCTCC
 TCTTCAATGACCTCCTTGTGGTACCAAAATTTCCAGAAGAAGAAGATCTTGGTACATACAGCTCCG
 TCAGTCTTTCCCTGGTGGAAATGCATATGCAGCTCTCCAGAATTCATATTATCAGTTTGGGATCAAG
 TTAAGTGTGACAGTACCTGGAGGGGAACGAAAAGTCTCATCATCTTAAATGCTCCTAGCCTCCAAGACA
 GGCTACGCTTTACCTCTGACCTGCGGGAGTCCATTGCTGAGGTGCAGGAGATGGAGAAGTATCGTGTGGA
 ATCGGAGCTGAAAAGCAGAAAGGTATGATGCGGCCTAATGCCTCACAGCCTGGAGGAGCCAAGGACTCA
 GTGAATGGACTCTGGCCCGCAGTAGTCTGGAGGACACTTATGGGGCAGGCGATGGGCTCAAGCGGGGTG
 CACTCAGTAGTCCCTGCGAGACCTCTCTGATGCAGGGTCTGTTAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_001005475
Insert Size:	2850 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_001005475.2</u> , <u>NP_001005475.1</u>
RefSeq Size:	5208 bp
RefSeq ORF:	2850 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 (2) differs in the 5' UTR and has multiple coding region differences, compared to variant 1. These differences cause translation initiation at an alternate start site and an isoform (2) with distinct N- and C-termini, compared to isoform 1.</p> <p>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>