

Product datasheet for **MC222853**

Iqsec1 (NM_001134383) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Iqsec1 (NM_001134383) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Iqsec1
Synonyms:	AW561907; BC026481; BRAG2; cl-43; D6Ertd349e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222853 representing NM_001134383
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGGTGCCTGCACTGCAACTCAGAGAGACCCAGTCTTGCTGGAGCTGGAGCTTGACAGCGGTGTTG
 AGGGCGAGGCCCCAGCAGCGAGACTGGACATCGCTGGACAGCCCTCAGCCTACCATCAGGGTCCCT
 GGTACCTGGTTCCAGCCTGAGTCCAGACCACTACGAGCACACATCAGTGGGCGCCTATGGCTGTACGCA
 GGGCCAGGACCACAACAGCGCACACGGAGGCCCGGCTGCAGCACTCGACCTCAGTCTGCGCAAGCAGG
 CTGAGGAGGAGCCATCAAGCGCTCTCGGTCACTCTCTGAGAGCTATGAGCTCTCTTCAGATCTGCAAGA
 CAAGCAGTGGAAATGCTAGAACGCAAGTATGGGGACGCCTCGTGACCCGCCATGCAGCCCGCACCATC
 CAGACGGCGTCCGCAATACCAGATGAACAAGAACTTTGAGCGCCTGCGCAGCTCCATGTCGGAGAACC
 GCATGTCACGTGCAATTGTGCTGTCCAACATGAGGATGCAGTTCTCTTTGAGGGCCCCGAGAAGGTGCA
 CAGCTCCTACTTTGAGGGAAAGCAGGTCTCTGTGACTAATGATGGCTCCAGCTGGGGCCCTGGTGCCA
 TCAGAATGTGGAGACCTTAGTGACCCAGCCCTCAAGTCTCCAGCCCTCCAGTACTTTGCAGATGCCA
 TCACGGAAGTGGAGGATGCCTTCTCCAGGCAGGTGAAATCCCTGGCTGAATCCATCGATGATGCCCTCAA
 TTGCCGACGCTACACAGTGGAGAGTACCAGCCTCAGACACGGCCCGGCTCGGGACACTGAGCCAAA
 CCAGGTCTACATGGCATGGACCACCGAAACTGGATGAGATGACAGCCTCGTATAGTGATGTGACCTCT
 ACATTGATGAGGAAGAGCTGTACCACCGCTTCCACTCTCACAGGCTGGCGATCGGCCCTCCAGCACAGA
 GTCGGACCTGCGGCTGAGGTCTGGGGTGACGCCAGGACTACTGGCCCTGGCCCAAAAGAGGACAAG
 GCTGACACGGACACAAGCTGCCGAAGCACACCATCACTGGAGCGCCAGAGCCACGGCTGCGGGTGGAGC
 ACCTGCCCTGCTTACCATTGAGCCACCAGTGATAGTCCGTGGAAGTCACTGACCCGCTCAGATGCCGAG
 CTCACTCAAGAGGCAGAGTGCCTTAGCGCAGCCTCGGTGGGACAGGAGCCAGCCCAAGCATGGCCCC
 CACGGTGGCCCCCAAGGCCTCCCCAGGGAGGAACCTGAATTGCGGCCCTCGGCCCCAGACCTTTG
 AGAGTCACCTAGCCATCAATGGTTCAGCCAACCGCAGAGCAAATCTGAGTCTGACTACTCAGATGGGGA
 CAATGACAGCATCAACAGCACCTCCAATCCAATGACACCATAAACTGCAGCTCTGAGTCTCATCACGG
 GACAGCCTGCGGGAACAGACACTCAGCAAGCAGACATACCACAAGGAGACCCGCAACAGCTGGGACTCTC
 CAGCTTTCAGCAACGATGTCATCCGTAAGAGGCATTACCGAATTGGCCTAAATCTCTTCAACAAGAAGCC
 TGAGAAGGGCATCCAGTATCTCATTGAGCGCGCTTCGTGCCGACACGCCAGTGGGAGTGGCCACTTC
 CTGCTGCAGCGCAAGGGCTCAGCCGCCAGATGATCGGTGAGTTCCTGGGAAACCGGCAGAAAGCAGTTCA
 ACCGTGATGTGCTCGACTGTGTTGTGGACGAGATGGACTTCTCTGCCATGGAGCTAGATGAAGCCCTCCG
 GAAGTTCAGGCACACATCCGAGTCCAAGGGGAGGCTCAGAAAAGTGGAGCGGCTCATCGAGGCATTACGC
 CAGCGGTACTGTGCTGCAACCCAGGGGTGGTGCAGAGTTCGGAAACCCAGACACCATCTTCATCCTGG
 CCTTCGCCATCATCTGCTCAACACAGACATGTACAGCCCAATGTCAAGCCAGAGCGCAAAATGAAGCT
 GGAGGACTTTGTCAAGAACCTCCGAGGTGTGGATGACGGTGAAGACATTCGCCGGGAGACGCTAATTGGG
 ATCTATGAGCGAATCCGTAAGCGAGAAGTGAAGACCAACGAGGACCACGTGTCCAGGTGCAGAAGGTTG
 AGAAGCTCATCGTGGGCAAGAAGCCGATTGGATCCCTGCATCATGGTCTTGGCTGTGTCTCTTCC
 CCATCGACGACTAGTCTGCTACTGCCGGCTTTTGAAGTTCCTGACCCCAACAAACCCAGAAGCTGGGA
 CTACACCAGCGAGAGATCTTCTGTTAATGACCTCCTGGTGGTACCAAGATCTCCAGAAGAAGAAGA
 ACTCGGTGACATACAGCTTCCGGCAGTCTTCTCCCTCTACGGCATGCAGGTCTGCTCTTCGAGAACCA
 GTACTATCCCAATGGCATCCGGTGCAGCTGTGCTCCCTGGAGCAGACATCAAAGTGTAAATAACTTC
 AACGCTCCCAATCCTCAGGACCGGAAGAAGTTCAGTACGACCTGCGGGAGTCTGTGCTGAAAGTCAAG
 AGATGGAGAAACCCGAATAGAGTCGGAGCTCGAGAAGCAGAAAGGTGTCGTGCGGCCAGCATGTCACA
 GTGCTCCAGCCTCAAAAAGGAGTCAAGCAACGGGACACTGAGCAGGGCTTGCTGGATGACAGCTATGCC
 AGTGGCGAGGGCCTCAAGCGCAGCGCCCTCAGCAGCTCACTGAGAGACCTCTCAGAAGCGGGGAAGCGAG
 GGCGTCGACAGTGCAGGATCGCTAGAGAGCAATGTGGAAATTCAGCCCTCCAGCCACCACAGCCTCC
 AGTGCTGTGCTCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001134383
Insert Size:	2886 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_001134383.1</u> , <u>NP_001127855.1</u>
RefSeq Size:	4526 bp
RefSeq ORF:	2886 bp
Locus ID:	232227
UniProt ID:	<u>Q8R0S2</u>
Cytogenetics:	6 40.16 cM
Gene Summary:	<p>Guanine nucleotide exchange factor for ARF1 and ARF6. Guanine nucleotide exchange factor activity is enhanced by lipid binding. Accelerates GTP binding by ARFs of all three classes. Guanine nucleotide exchange protein for ARF6, mediating internalisation of beta-1 integrin. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) includes an alternate 5' terminal exon and uses an alternate splice site in the 3' terminal exon, compared to variant 2. It encodes isoform a, which is shorter and has distinct N- and C-termini, compared to isoform b. 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>