OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC223570

Iqsec1 (NM_001134384) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Iqsec1 (NM_001134384) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Iqsec1
Synonyms:	AW561907; BC026481; BRAG2; cI-43; D6Ertd349e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

```
>MC223570 representing NM_001134384
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTTGCCGAAGACGCTATTTTGTTGAGGGCGAGGCCCCCAGCAGCGAGACTGGCACATCGCTGGACA
GCCCCTCAGCCTACCATCAGGGTCCCCTGGTACCTGGTTCCAGCCTGAGTCCAGACCACTACGAGCACAC
ATCAGTGGGCGCCTATGGGCTGTACGCAGGGCCAGGACCACAACAGCGCACACGGAGGCCCCGGCTGCAG
CACTCGACCTCAGTCCTGCGCAAGCAGGCTGAGGAGGAGGCCATCAAGCGCTCTCGGTCACTCTCTGAGA
GCTATGAGCTCTCTTCAGATCTGCAAGACAAGCAGGTGGAAATGCTAGAACGCAAGTATGGGGGACGCCT
CGTGACCCGCCATGCAGCCCGCACCATCCAGACGGCGTTCCGCCAATACCAGATGAACAAGAACTTTGAG
CGCCTGCGCAGCTCCATGTCGGAGAACCGCATGTCACGTCGCATTGTGCTGTCCAACATGAGGATGCAGT
TCTCCTTTGAGGGCCCCGAGAAGGTGCACAGCTCCTACTTTGAGGGAAAGCAGGTCTCTGTGACTAATGA
TGGCTCCCAGCTGGGGGCCCTGGTGCCATCAGAATGTGGAGACCTTAGTGACCCAGCCCTCAAGTCTCCA
GCCCCCTCCAGTGACTTTGCAGATGCCATCACGGAACTGGAGGATGCCTTCTCCAGGCAGGTGAAATCCC
TGGCTGAATCCATCGATGATGCCCTCAATTGCCGCAGCCTACACAGTGAGGAGGTACCAGCCTCAGACAC
GGCCCGGGCTCGGGACACTGAGCCCAAACCAGGTCTACATGGCATGGACCACCGCAAACTGGATGAGATG
ACAGCCTCGTATAGTGATGTGACCCTCTACATTGATGAGGAAGAGCTGTCACCACCGCTTCCACTCTCAC
AGGCTGGCGATCGGCCCTCCAGCACAGAGTCGGACCTGCGGCTGAGGTCTGGGGGTGCAGCCCAGGACTA
CTGGGCCTTGGCCCACAAAGAGGACAAGGCTGACACGGACACAAGCTGCCGAAGCACACCATCACTGGAG
CGGCCAGAGCCACGGCTGCGGGTGGAGCACCTGCCCCTGCTTACCATTGAGCCACCCAGTGATAGCTCCG
TGGAACTCAGTGACCGCTCAGATCGCAGCTCACTCAAGAGGCAGAGTGCCTATGAGCGCAGCCTCGGTGG
GCAGCAGGGCAGCCCCAAGCATGGCCCCCACGGTGGCCCCCCCAAAGGCCTCCCCAGGGAGGAACCTGAA
TTGCGGCCTCGGCCCCCCAGACCTCTTGAGAGTCACCTAGCCATCAATGGTTCAGCCAACCGGCAGAGCA
AATCTGAGTCTGACTACTCAGATGGGGACAATGACAGCATCAACAGCACCTCCAACTCCAATGACACCAT
AAACTGCAGCTCTGAGTCCTCATCACGGGACAGCCTGCGGGAACAGACACTCAGCAAGCAGACATACCAC
```

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

View online »

AAGGAGACCCGCAACAGCTGGGACTCTCCAGCTTTCAGCAACGATGTCATCCGTAAGAGGCATTACCGAA
TTGGCCTAAATCTCTTCAACAAGAAGCCTGAGAAGGGCATCCAGTATCTCATTGAGCGCGGCTTCGTGCC
CGACACGCCAGTGGGAGTGGCCCACTTCCTGCTGCAGCGCAAGGGCCTCAGCCGCCAGATGATCGGTGAG
TTCCTGGGAAACCGGCAGAAGCAGTTCAACCGTGATGTGCTCGACTGTGTTGTGGACGAGATGGACTTCT
CTGCCATGGAGCTAGATGAAGCCCTCCGGAAGTTCCAGGCACACATCCGAGTCCAAGGGGAGGCTCAGAA
AGTGGAGCGGCTCATCGAGGCATTCAGCCAGCGGTACTGTGTCTGCAACCCAGGGGTGGTGCGACAGTTC
CGGAACCCAGACACCATCTTCATCCTGGCCTTCGCCATCATCCTGCTCAACACAGACATGTACAGCCCCA
ATGTCAAGCCAGAGCGCAAAATGAAGCTGGAGGACTTTGTCAAGAACCTCCGAGGTGTGGATGACGGTGA
AGACATTCCCCGGGAGACGCTAATTGGGATCTATGAGCGAATCCGTAAGCGAGAACTGAAGACCAACGAG
GACCACGTGTCCCAGGTGCAGAAGGTTGAGAAGCTCATCGTGGGCAAGAAGCCGATTGGATCCCTGCATC
ATGGTCTTGGCTGTGTGCTGTCTCTTCCCCATCGACGACTAGTCTGCTACTGCCGGCTTTTTGAAGTTCC
TGACCCCAACAAACCCCAGAAGCTGGGACTACACCAGCGAGAGATCTTCCTGTTTAATGACCTCCTGGTG
GTCACCAAGATCTTCCAGAAGAAGAAGAACTCGGTGACATACAGCTTCCGGCAGTCCTTCTCCCTCTACG
GCATGCAGGTCCTGCTCTTCGAGAACCAGTACTATCCCAATGGCATCCGGCTGACGTCTGCTGTCCCTGG
AGCAGACATCAAAGTGCTAATAAACTTCAACGCTCCCAATCCTCAGGACCGGAAGAAGTTCACTGACGAC
CTGCGGGAGTCTGTCGCTGAAGTGCAAGAGATGGAGAAACACCGAATAGAGTCGGAGCTCGAGAAGCAGA
AAGGTGTCGTGCGGCCCAGCATGTCACAGTGCTCCAGCCTCAAAAAGGAGTCAGGCAACGGGACACTGAG
CAGGGCTTGCCTGGATGACAGCTATGCCAGTGGCGAGGGCCTCAAGCGCAGCGCCCTCAGCAGCTCACTG
AGAGACCTCTCAGAAGCGGGGAAGCGAGGGCGTCGCAGCAGTGCGGGATCGCTAGAGAGCAATGTGGAAG
GCTCCATCATTAGCAGTCCTCACATGCGCCGGAGAGCGACCTCAACACGAGAGTGCCCATCTCGCCCCCC
CCAGCCCGTGCCTAACTCCTCCTCTCTCCTGGGTTCTTTGTTTGGGAGCAGGAGAGGGAAGCCCCCTCCC
CAGGCCCACCCACCCTCAGCCCCTCCCCCAGCACCCCCTCACGCCCATCACCCTGGGCCCTCAGAAGGCC
CACTGCATGGACATCATGCACAGTACTGCCATGCACAGCAGAATCCTCCGCCCTATCACCACCACCACCA
CTACCACCCACCCCCCCACCTGCAGCACACCCACCAGTACCACCATGGCCCACACGGCGGGCACCCCCCG
TATGGGGCCCATGCACACAGCCACCCGCCTCTGCCCACAGCTCACCCTGGTCATGCAGGGCACTCAGCGC
ATCATCATGGGCAGCCCCCTGCCCCACCGCCCCCCACCAGCAGCAAGGCCAAGCCCAGCGGCATCAGCAC
AGTTGTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001134384

Insert Size: 3300 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.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

RefSeq:	NM_001134384.1, NP_001127856.1
RefSeq Size:	6490 bp
RefSeq ORF:	3300 bp
Locus ID:	232227
Cytogenetics:	6 40.16 cM
Gene Summary:	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] Transcript Variant: This variant (2) represents the longest transcript and encodes the longest 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.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US