

Product datasheet for **MG223215**

Iqsec2 (NM_001005475) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Iqsec2 (NM_001005475) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Iqsec2
Synonyms:	Brag1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG223215 representing NM_001005475
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAACCCCTGGAGGAGCAGCAGGTCACAGCGTCTCATACTCTACACCAGTATTGCTGTCCTACTC
 AGGTCCTTGACTCCATGAAGCTTACCCCTCAGGCAGGCTGGCAGAGAGCAGTGTGGAGGGTGTGCCCC
 AGGCAGTGACCTGAGCACAGCGTTGATAGTCCTGGGAGCCAACCCCTACCGCTGAGCCAACACTACC
 CCCACCAGCAGCCACATGGGGGGCCCCCTGCCGGGTGGGCCTTCTTGGGCTCAGAGGGCAGCGCTGC
 AGCCAGCCAGTGTGCCCTGAGGAAGCAGGAGGAGGAGATCAAGCGCTCCAAGGCCCTGTCAGACAG
 CTATGAACTCTCCACAGACCTGCAGGACAAGAAGGTGAAATGCTGGAGAGGAAGTATGGGGCTCCTTC
 CTGAGCCGAGGGCTGCCAGGACCATCCAGACAGCCTTTCGACAGTACCGTATGAATAAGAACTTTGAGC
 GGCTGCGCAGCTCAGCTCAGAGAGCCGATGTCCCGCCGATCATCTTGTCCAACATGCGGATGCAGTT
 CTCCTTTGAGGAGTACGAGAAAGCACAGAACCTGCATACTTCGAGGGCAAGCCTGCCTCATTGGATGAG
 GGTGCCATGGCTGGCGCCGGAGCCACCGGCTTGAACGGGGCCTCCCTTATGGAGGCTCCTGTGGTGGGG
 GCATCGATGGTGGTGAAGTTCAGTCACCACATCTGGAGAGTTTTCTAATGACATCACAGAGCTCGAGGA
 CTCCTTCTCCAAACAGGTAAGTCTCTGGCTGAATCCATTGATGAGGCCCTGAACTGCCACCCATCAGGG
 CCTATGTCTGAGGAGCCAGGGTCAGCCAACTGGAGAAGCGGGAATCAAAGGAACAGCAAGAAGACAGCT
 CAGCCACATCCTTCAGTGACCTCCCCCTGTACTTGGATGACCCAGTTCCTCCTCCATCACCTGAGCGACT
 GCCCAGCACAGAGCCCCACCCAAAGGCCGCCCTGAGTTCTGGGCACCAGCTCCCTCCCACAGTTCCT
 CCACCAATGCCACCAGGGACCCGGGAAGATGGTAGCCGTGAGGAAGGCACTCGAAGGGTCTGGGTGCT
 TGGAGTCCCGGATTTCCGGCTCCGGGCTGCACACCTCCCCCTCCTCACCATTGAGCCTCCCAGTGACAG
 TTCTGTAGACCTGAGTGACCGCTCAGATCGCGGCTCTGTCCACCGCCAGCTGGTGTATGAGGCTGATGGC
 TGCAGCCCCATGGGACCCTGAAGCACAAAGGGCCACCAGGCAGGGCCCCAATCCACACCGCCACTACC
 CTGCCCTGAGGGTCCAGCTCCAGCCCCACCAGGGCCCCCTGCCACCAGCCCCAATAGTGGTACTGGGCC
 CAGTGGTGTGGCTGGAGGTGGAGGTTGGGAAGTGTGAGGCAGCAGGTGAGAACTCTGATGGTGGAGAC
 AATGAGAGTCTGGAGAGCTCCAGCAACTTAATGAGACCATCACTGCAGCTCTGGCTCCTCCTCGGG
 ATAGCCTGAGGGAACCGCCAGCCACTGGCCTGTGCAAGCAGACTTACCAGCGGGAGACAAGGCACAGCTG
 GGACTCGCCAGCCTTCAACAATGATGTGGTACAAAGCGCATTACAGAATTGGCCTCAACTCTTCAAT
 AAGAAGCCAGAGAAGGTATCCAGTATTTGATCGAACGAGGCTTCTGTCTGACACTCCTGTTGGGGTGG
 CTCACCTCATCCTGGAGAGGAAAGGCCTGAGCCGGCAGATGATAGGGGAATCCTGGGGAATCGGCAGAA
 GCAGTTCAACAGAGATGTGTTGACTGTGTGGTGGATGAGATGGACTTCTCCTCTATGGATTTGGACGAT
 GCACTCAGGAAGTTCCAATCCCATATCCGATTCAGGGGGAGGCCAGAAAGTGGAGCGACTCATTGAAG
 CTTTCAGCCAGCGGTACTGTGTCTGTAACCCTGCCCTCGTACGCCAGTTCGGGAACCCAGACACCATCTT
 CATCCTTGCTTTTGCCATCATCTCCTCAATACCGATATGTACAGCCCCAGTGTCAAGGCTGAACGCAAG
 ATGAAGCTGGATGACTTCATTAAGAACCTGAGAGGAGTTGACAATGGTGAAGACATCCCCCGCAGCTTC
 TAGTAGGCATCTACCAGCGCATCCAAGGTCGTGAACTGAGGACCAATGATGACCATGTGTCCAGGTGCA
 GGCTGTGGAGCGCATGATTGTTGGCAAGAAACCGTCTGTGCTCCCTCACCCTGACTGGTTTGTCTGC
 TGCCAGCTCTATGAGGTGCCAGATCCAAACCGTCCCCAAAGGCTGGGGCTGCATCAGCGGGAGGTCTCC
 TCTTCAATGACCTCCTTGTGGTACCAAAATTTCCAGAAGAAGAAGATCTTGGTACATACAGCTTCCG
 TCAGTCTTTCCCTGGTGGAAATGCATATGCAGCTCTCCAGAATTCATATTATCAGTTTGGGATCAAG
 TTAAGTGTGACGTAACCTGGAGGGGAACGAAAAGTCTCATCATCTTAAATGCTCCTAGCCTCCAAGACA
 GGCTACGCTTTACCTCTGACCTGCGGGAGTCCATTGCTGAGGTGCAGGAGATGGAGAAGTATCGTGTGGA
 ATCGGAGCTGAAAAGCAGAAAGGTATGATGCGGCCTAATGCCTCACAGCCTGGAGGAGCCAAGGACTCA
 GTGAATGGGACTCTGGCCCGAGTAGTCTGGAGGACACTTATGGGGCAGGCGATGGGCTCAAGCGGGGTG
 CACTCAGTAGTTCCTGCGAGACCTCTCTGATGCAGGGTCTGTTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG223215 representing NM_001005475
 Red=Cloning site Green=Tags(s)

```
MEPPWRSSRSTASHTLHQYCCTQVLDSMKLTPSGRLAESSVEGDAPGSDLSTAVDSPGSQPPYRLSQLP
PTSSHMGGPPAGVGLPWAQRARLQPASVALRKQEEEEIKRSKALSDSYELSTDLDQKKVEMLERKYGGSF
LSRRAARTIQTAFRQYRMNKNFERLRSSASESRMSRRIILSNMRMQFSFEEYEKAQNPAYFEGKPAASLDE
GAMAGARSHRLERGLPYGGSCGGIDGGGSSVTTSGEFSDNITELEDSFSKQVKSLAESIDEALNCHPSG
PMSEEPGSAQLEKRESKEQQEDSSATSFSDLPLYLDDPVPPSPERLPSTEPQGRPEFWAPAPLPPVP
PPMPPTREDGSRREGTRRGPGLCECRDFRLRAAHLPLLIEPPSDSSVDLSDRSRGRSVHRQLVYEADG
CSPHGTLKHKGPPGRAPIPHRHYPAPEGPAPAPPGLPPAPNSGTGPSGVAGRRRLGKCEAAGENSDDGGD
NESLESSNSNETINCSSGSSSRDSLREPPATGLCKQTYQRETRHSWSPAFNNDVVQRRHYRIGLNLFN
KKPEKGIQYLIERGFLSDTPVGVAFHILERKGLSRQMIGEFLGNRQKQFNRDVLDVVDEMDFSSMDLDD
ALRKFQSHIRVQGEAQKVERLIEAFSQRYCVCNPALVRQFRNPDTIFILAFIILLNTDMYSPSVKAERK
MKLDDFIKNLRGVDNAGEDIPRDLVGIYQRIQGRELRTNDDHVSQVQAVERMIVGKKPVLSPHRRLVCC
CQLYEVPDPNRPQRLGLHQREVFLFNDLLVVTIKIFQKKKILVTYSFRQSFPLVEMHMQLFQNSYYQFGIK
LLSAVPGGERKVLIIFNAPSLQDRLRFTSDLRESIAEVQEMEKYRVESELEKQKGMMPNPNASQPGGAKDS
VNGTLARSSLEDTYGAGDGLKRGALSSSLRDLSDAGVCY
```

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

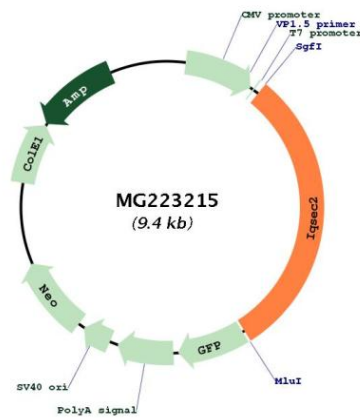


ACCN: NM_001005475

ORF Size: 2847 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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, NP_001005475.1</u>
RefSeq Size:	5228 bp
RefSeq ORF:	2850 bp
Locus ID:	245666
Cytogenetics:	X 68.46 cM
Gene Summary:	Is a guanine nucleotide exchange factor for the ARF GTP-binding proteins.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG223215