IQSEC1 cDNA Clone – Iq Motif and Sec7 Domain 1 (Human)

PRODUCT OVERVIEW

Product Name	IQSEC1, cDNA Clone
Full Product Name	IQSEC1 cDNA Clone
Product Gene Name	IQSEC1 cdna clone
Sequence	atgctagaac gaaagtatgg ggggcgcctg gtaacccgcc atgcggcccg caccatccag acggcgtttc gccagtacca gatgaacaag aacttcgagc gcttgcgcag ctccatgtca gagaaccgca tgtcacgccg gattgtgctg tccaacatga ggatgcagtt ctcctttgag gggcctgaga aagtgcacag ctcctacttc gaggggaagc aggtctcagt gactaacgac ggctcccagc tgggagccct ggtgtcccct gagtgtggtg acctcagcga gcccaccacc ctcaagtctc cggccccctc cagtgacttt gcggacgcca tcaccgagct ggaggacgcc ttctctaggc aagtgaaatc actggccgag tccatcgacg atgccctcaa ctgccgcagc ctgcacactg aggaggcacc ggccctggat gcggcgcggg cccgggacac cgaaccccag acagccctgc acggcatgga ccaccgcaaa ctggacgaga tgacggcctc gtacagtgat gtcaccctgt acatcgatga ggaggagctg tcgccccctc tgcccctctc gcaggcaggg gaccggccgt ccagcaccga gtcggacctg cggctacggg ctgggggcgc agccccagac tactgggccc tggcccacaa agaggacaag gctgacacgg acacgagctg ccggagcacg ccgtcgctgg agcggcagga gcagcggctg cgggtggagc atctgccgct gctcaccatc gagccaccca gcgacagctc tgtggacctt agtgaccgct cggagcgggg gtcactcaag aggcagagtg cttacgagcg cagccttggc gggcagcagg gcagtcccaa gcatggtccc cacagcggcg cccccaagag cctccccccgg gaggagcctg agttgcggcc ccggcccccc aggcccctgg acagccactt ggccatcaat ggctcagcca accggcagag caagtctgag tcggactact cagacggtga caatgacagc atcaacagca cgtccaactc caacgatacc atcaactgca gctccgagtc atcgtcccgt gacagcctgc gggagcagac gctcagcaag cagacctacc acaaggaggc ccgcaacagc tgggactcgc ctgcctttag caacgatgtc atccgcaaga ggcactaccg catcggcctg aacctcttca acaagaagcc tgagaaggga gtccagtacc tcatcgagcg tggctttgtg cccgacacgc ccgtcggggt ggcccacttc ctgctgcagc gcaagggcct cagccggcag atgatcggcg agttcctggg caaccggcag aagcagttca accgtgacgt gctcgactgc gtcgtggacg agatggactt ctctaccatg gagctggatg aggccctcag gaaattccag gcgcacatcc gtgtccaagg ggaggctcag aaagtggagc ggctcataga ggcgttcagc cagcgctact gcatctgcaa ccctggggtg gtgcggcaat tccggaaccc agacaccatt ttcatcctgg ccttcgccat catcctgctg aacaccgaca tgtacagccc caatgtcaag cccgagcgga aaatgaagct agaggacttc atcaagaacc tccgaggtgt ggacgatggt gaggacattc cccgtgagat gctgatgggg atctatgaac ggatccgtaa gcgagagcta aagaccaatg aggaccatgt gtcccaggtg cagaaggtgg agaagctcat tgtggggaaa aagccgatcg gatccctgca tcccgggctc ggctgtgtgc tctctctgcc ccaccgtcgg ttggtctgct actgccggct ctttgaggtt ccagacccaa acaagcccca gaaactcgga ctacaccagc gagaaatctt cctgttcaac gacctcctgg tggtcaccaa gatcttccag aagaagaaga actcggtgac gtacagcttc cgacagtcct tctccttgta cggcatgcag gtcctgctct tcgagaacca gtactacccc aatggcatcc ggctcacctc gtctgtcccc ggagcagata tcaaagtgtt aataaacttc aacgccccca accctcaaga ccggaagaaa ttcaccgatg acctgcggga gtccattgcg gaagtccaag agatggagaa gcacaggata gagtcggagc tcgagaagca gaaaggcgtc gtgcggccca gcatgtccca gtgctctagc ctcaaaaagg agtcgggcaa cggaacactg agccgggcct gcctggacga cagctatgcc agcggtgagg gcctcaagcg cagcgccctc agcagctccc tgcgggacct ctcggaagcc ggggtccatc attag
Molecular Weight	94,914 Da
OMIM	610166
Vector	Please Inquire
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for IQSEC1 cdna clone	MBS1275146 is a cDNA clone targeting IQSEC1.
Other Notes	Small volumes of IQSEC1 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IQSEC1. It may not necessarily be applicable to this product.

NCBI GI #	16307438
NCBI GeneID	9922

NCBI Accession #	BC010267
UniProt Secondary Accession #	O94863; Q96D85
UniProt Related Accession #	Q6DN90
NCBI Official Full Name	Homo sapiens IQ motif and Sec7 domain 1, mRNA
NCBI Official Synonym Full Names	IQ motif and Sec7 domain 1
NCBI Official Symbol	IQSEC1
NCBI Official Synonym Symbols	BRAG2; GEP100; ARFGEP100; ARF-GEP100
UniProt Protein Name	IQ motif and SEC7 domain-containing protein 1
UniProt Synonym Protein Names	ADP-ribosylation factors guanine nucleotide-exchange protein 100; ADP-ribosylation factors guanine nucleotide-exchange protein 2; Brefeldin-resistant Arf-GEF 2 protein
Protein Family	IQ motif and SEC7 domain-containing protein
UniProt Gene Name	IQSEC1
UniProt Synonym Gene Names	ARFGEP100; BRAG2; KIAA0763; BRAG2
UniProt Entry Name	IQEC1_HUMAN
NCBI Protein Information	IQ motif and SEC7 domain-containing protein 1
UniProt Comments for IQSEC1	IQSEC1: In addition to accelerate GTP gamma S binding by ARFs of all three classes, it appears to function preferentially as a guanine nucleotide exchange protein for ARF6, mediating internalisation of beta-1 integrin. Belongs to the BRAG family. Interacts with ARF6. 2 isoforms of the human protein are produced by alternative splicing. Protein type: GAPs, ARF; Motility/polarity/chemotaxis; GAPs Chromosomal Location of Human Ortholog: 3p25.2 Cellular Component: membrane Biological Process: actin cytoskeleton organization and biogenesis
Research Articles on IQSEC1	**1.** Brag2 is essential for developmental and pathological angiogenesis by promoting endothelial cell sprouting through regulation of adhesion by beta1-integrin internalization and link for the first time the process of beta1-integrin endocytosis with angiogenesis.
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