

Product datasheet for **SC304266**

IQSEC3 (NM_015232) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IQSEC3 (NM_015232) Human Untagged Clone
Tag:	Tag Free
Symbol:	IQSEC3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_015232 edited
 ATGCTAGAACATAAGTACGGCGGTACCTGGTGTCCCAGCGCGCCGCTTGACCATCCAA
 ACCGCCTTCCGCCAATACCAGCTCAGCAAGAACTTCGAGAAAAATCCGAACTCGCTTCTG
 GAGAGCCGCTGCCACGGCGGATCTCCCTGCGCAAGGTGCGGTACCCACGGCCGAGAGC
 CTGGCGGCCGAGAAAGCGCTCATGGAGGGCTACGGCTCGTGGGGCTGCCGCTGGTGCGC
 TCGCCCTCCCTGCCGCCACCTTCGACAGCACCTCACCAGCTGGAGGACTCCTTACC
 GAGCAGGTGCAATCCCTGGCCAAGTCCATCGACGACGCGCTCAGCAGTGGAGCCTCAAG
 ACCATGTGCTCCCTGCGGAGAGTGGCGCTTACCAGCTCCACCAGGCCCTGCAGGCGGCC
 GCGGGGCCCCAGGCCTGGAGGCGAGGGGCGGGCGCCGAGAGCGGGGCCCGGGGCC
 GGGGATGACGCCGCGAGACCCCGGCCTGCCCGGCCACAGCGGGACCCTCATGATG
 GCTTTCGGGACGTACGGTGCAGATCGCAACCAGAACATATCCGTCTCCTCCTCCACG
 GCTCTGTGCGTGGCAACTGCCTGGGCGCTCAGACGGTCCAGGCCCGCAGAGCCCGG
 GCGGGCAAGGCCGAGCAGGGCGAGACCTCTGGGCGGGAGGCCCGAAGCCCGCCGCTG
 GGCCGGGAGGACGCTCAGCCGAGGACTCATGCGCAGAGGCTGCGCTAGTGGGGCGGCG
 GATGGGGCCACAGCCCCAAAACAGAGGAGGAAGAGGAGGAGGAGAGACGGCGGAGGTG
 GGAGAGGGGCCGAGGCCGAGGCAGGCGACTTGGAGCAGCTGAGCAGCAGCAGCAGCTCC
 ACCAAGTCCGCCAAGTCAGGCTCGGAGGCGTCCGCTCCGCTCCAAGGACGCCCTGCAG
 GCCATGATCCTGAGCCTGCCGCGTACCACTGCGAGAACCAGCCAGCTGCAAGTCGCC
 ACGCTCTCACCGACACCCTGCGCAAGCGGCTCTACCGCATCGGCTCAACCTCTTCAAC
 ATAAACCCCGACAAGGGCATCCAGTTCCCTGATCTACGCGGCTTCATCCCGACACCCCC
 ATCGGTGTGGCCATTTCTCCTCCAGCGAAAGGGCTCAGCCGCCAGATGATTGGAGAG
 TTCCTGGCAACAGCAAGAAGCAGTTCAACCGCAGCTGCTGGACTGCGTGGTGGACGAG
 ATGGACTTCTCCAGCATGGAGCTGGACGAGGCCCTGCGCAAGTTCAGGCACACATCCGT
 GTGCAGGGGAGGCTCAGAAGGTGGAGCGGCTCATTGAGGCCTTACGCCAGCGTACTGC
 ATGTGCAACCCGAAGTGGTTCAGCAGTTCCACAACCCGACACCATCTTCATCCTCGCC
 TTCGCCATCATCCTCAACACCGACATGTACAGCCCCAACATCAAGCCTGACCGGAAG
 ATGATGCTGGAGGACTTCATCCGAAACCTTCGAGGTGTGGACGATGGCGCTGACATCCCC
 AGGGAGCTGGTGGTAGGCATCTATGAGAGGATACAGCAGAAGGAGCTCAAGTCCAATGAG
 GACCACGTACGTACGTACCAAGGTGGAGAAGTCCATTGTGGGCATGAAGACAGTGCTG
 TCCGTGCCCCACCGCCGCTGGTGTGCTGCAGCCGGCTTTCGAGGTGACGGATGTGAAC
 AAGCTGCAAGAAGCAGGCAGCGCATCAGAGGGAGGTGTTCTCTTCAATGACCTGTGGTG
 ATTCTCAAACCTTTCGCCGAAGAAGAAGAGCTCCTCCACGTACACCTTTTCAAGTCAGTT
 GGCTGTGGGCATGCAGTTCAGCTCTTTGAGAACGAGTATTACTCTCATGGCATCACA
 CTGGTGACCCCGCTCTCGGGCTCCGAGAAGAAGCAGGTGCTGCATTTCTGTGCCCTGGGC
 TCGGACGAGATGCAGAAGTTCGTGGAGGACCTGAAGGAGTCCATTGCTGAGGTGACGGAG
 CTGGAGCAGATCCGAATAGAGTGGGAGCTGGAGAAGCAGCAGGGAACAAAGACACTCTCC
 TTCAAGCCCTGCGGAGCCAGGGGACCCACAGTCAAAGCAAGGATCGCCGACAGCCAAA
 AGGGAAGCCGCGCTCAGGGAGAGGCCGGCGGAGAGCACGGTGGAGGATTAATCAATGCC
 TCCCCAGCCGACTCACCATTTTACCAATTTCAAGAGATACAATAAAAGTTACTGCTAG

Restriction Sites: Please inquire

ACCN: NM_015232

Insert Size: 2600 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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_015232.1 , NP_056047.1
RefSeq Size:	2699 bp
RefSeq ORF:	2280 bp
Locus ID:	440073
UniProt ID:	Q9UPP2
Cytogenetics:	12p13.33
Protein Pathways:	Endocytosis
Gene Summary:	Acts as a guanine nucleotide exchange factor (GEF) for ARF1.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) represents use of an alternate promoter, lacks an alternate exon, uses a downstream start codon, and uses a distinct exon in the 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (2) has a shorter N-terminus and a shorter and distinct C-terminus, compared to isoform 1.