

Product datasheet for **SC122478**

IQCK (BC034823) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IQCK (BC034823) Human Untagged Clone
Tag:	Tag Free
Symbol:	IQCK
Synonyms:	FLJ20115; FLJ36575; IQ motif containing K; MGC35048
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for BC034823 edited
 GCGAACGCGGTTACCGTGGAAACCGCGGCCATGGCGGCACCGCGCAAATCCCCAGCCAC
 ATAGTGCCTCAAGCCCAGCTGCTCTACAGACTCGTCGTTACCCGGACGCGGTGCC
 ACCGTGTCTCTCGCGTCCCGGAGCTGCCTGTCTCGTCGTGGCAGGTACCGAGCCGTCA
 AGCAAGAACTGTGGGAGCAGATCTGCAAGGAGTGAAGCTGAGCAGCCTCCCTTTCCA
 GAAGGATATAAAGTCAAACAGGAGCCTGTGATTACGGTTGCGCCAGTAGAGGAAATGCTT
 TTTCATGGCTTCAGTGCAGAGCACTATTTCCGGTTTCCATTTACCATGATCTCACGT
 ACACCCTGTCCTCAAGATAAATCGGAAACAATCAACCCAAAAACATGTTCTCCCAAAGAA
 TATTTGAAACTTTCATCTTTCTGTTCTGCTTCCCGAATGGCTAGCCTGCTTACCAA
 GCGAAGAAAGAAAAATGTTTTGAGAGGAAAAGAACCAAATTCATTGCCTGTGATTTTCTG
 ACTGAGTGGTTATAACAACAAAAACCAAAGAGGGCAGGGGAGCCATTACAGAATTTTTC
 TCCATTCCATTTGTGGAGGAGCGGCTAAAGCAACACCCACGGCCGCAATCCCCTCTCG
 CTCCTGCTGACAGAAGAGGAAGCAGCCCTCTACATTCAATCCTTCTGGAGAGCCTGTGTG
 GTTCGCTGTGATCCTGAGATTCAAGAACTGCGTCAGTGGCAGAAGAACTTCGCGAGGCC
 AAGCACATTCACCAGCAAGTCAAAATTTTCTGGGCAAGCAAGAACAAAAAGTGAATGC
 AAAATGGAGGACGATGCAGTACCTGCAGCAAGATGAAAATTCATCATCTTAACCATAG
 CTAAGACGTATCTTTGCCATTCTGAGCAAGTACCTTGTGCAAGGAAAATGTCCAAAT
 GATGCTCTCTCTTGTGATTTCTTTAAACAAGACTTGAACATGTGCAATGGAATCTTT
 TCTGTACAAGATAGGATTCATTGCAAACAAGCTTTAATGCAAATAGTTTAGAAAAGAAAG
 GACCAGTCTTCACTTTCTGCATTATCCCCACATTTTATTCATTCCAGATTACTTCTT
 CAGTGCCTCAGGAGTATTCTTCTACACCAGCTGCTGTTAAATGTACAATGAACTCTAGT
 CCCAAGGAATACAGAAGTGTCTTATTACCAGTTTTCCCACTTGTGGCCGCTTTGCAAA
 GATCCATATTCTAATTTAAGTCCCAACCTCGAATTTGGTTTTAAGTTTACCTAGTGAC
 TGACTACTCTCTTATAAAAAAGACCTTATACTTAATGATCATTTCCAAAGGAGACCACT
 CCTTAACTTTTACTGCAACCCAACAAGATGAGACACTTAAACCCAGACAGATGTAACAA
 AGGATTTTTGTTGCTAAGTCCCAAAGTATTATATAGAAAAGTTCCCTGCTTTTATGGGTAA
 ACTTATTACCTAATATGTTCTGTGGTTTGTGTTAACCAAGATTCTCCCATTTAAATG
 CCACAGACCGACCCTCAAGGCAGATCCGAAAGCCTAGTAGTTAGTTGCACTGGGTGTTT
 TGACAAGTACCACACGTCTAAGTAAATAGTAAAGCCTTATTTTTGTGTTAAGAACAG
 CATTTTAAAAATAAACCTATCTGCCATGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC034823 unedited
 GGTTTGCATTTGTATACGACTCATATAGGCGGCGGNATTTCCCGGATGCGAACGCGGT
 TACCGTGGAAACCGCGGCATGGGGCACCGCGGCAAATCCCCAGCCACATAGTGCCT
 CAAGCCCAGCTGCTCTACAGACTCGTCGTTACCCGGACGCGGTGCCACCGTGTCTCT
 CGCGTCCCGGAGCTGCCTGTCTCGTCGTGGCAGGTACCGAGCCGTCAAGCAAGAACT
 GTGGGAGCAGATCTGCAAGGAGTGAAGCTGAGCAGCCTCCCTTCCAGAAGGATATAA
 AGTCAAACAGGAGCCTGTGATTACGGTTGCGCCAGTAGAGGAAATGCTTTTTCATGGCTT
 CAGTGCAGAGCACTATTTCCGGTTTCCATTTACCATGATCTCACGTACACCCTGTCC
 TCAAGATAAATCGGAAACAATCAACCCAAAAACATGTTCTCCCAAAGAATATTTGAAAC
 TTTTCATCTTTCTGTTCTGCTTCCCGAATGGCTAGCCTGCTTACCAAGCGAAGAAAGA
 AAAATGTTTTGAGAGGAAAAGAACCAAATTCATTGCCTGTGATTTCTGACTGAGTGGTT
 ATACAACCCAAATCCAAAGAGGGCAGGGGAGCCATTACAGAATCTTCTCCATCCAT
 TTGTGGAGGAGCGGCTAAAGCAACACCCACGGGCGCAATCCCCTCTTGGTTCTGCTGA
 CAGAAAAAGAAGCAGCCCTCTACATTCAATCCTTCTGGAGAGCCTGTGTGGGTTCCCTGG
 GATCCTGGAAATTCAGGAACTGCGTCAGTGGCAGAAGTATTTCCCGGAGGCCAAGCCAT
 TTACCAGCCAGTCAAAATTTTTTGGGCCACAAAACAAAAGGGAATGCCAAATGGAGA
 ACAACCTTTCTGCC

Restriction Sites: Please inquire
ACCN: BC034823

Insert Size:	1765 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>BC034823.1</u> , <u>AAH34823.1</u>
RefSeq Size:	1765 bp
Locus ID:	124152
Cytogenetics:	16p12.3
Gene Summary:	This gene belongs to the IQ motif-containing family of proteins. The IQ motif serves as a binding site for different EF-hand proteins such as calmodulin. This gene was identified as a potential candidate gene for obsessive-compulsive disorder in a genome-wide association study. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Feb 2015]