

## Product datasheet for SC306559

### IQCK (NM\_153208) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IQCK (NM_153208) Human Untagged Clone
Tag:	Tag Free
Symbol:	IQCK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306559 representing NM_153208. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC  
 ATGGCGGCACCGCGGCAATCCCCAGCCACATAGTGCCTCAAGCCAGCTGCTCTACAGACTCGTCG  
 TTCACCCGGACGCGGTGCCACCGTGTCTCTCGCTCCCGCAGCTGCCTGTCTCGTGGCAGGTC  
 ACCGAGCCGTCAAGCAAGAATCTGTGGGAGCAGATCTGCAAGGAGTATGAAGCTGAGCAGCCTCCCTTT  
 CCAGAAGGATATAAAGTCAAACAGGAGCCTGTGATTACGGTTGCGCCAGTAGAGGAAATGCTTTTTCAT  
 GGCTTCAGTGCAGAGCACTATTTCCGGTTTCCCATTTACCATGATCTCACGTACACCCTGTCTCAA  
 GATAAATCGGAAACAATCAACCAAAAACATGTTCTCCAAAGAATATTTGGAACTTTCATCTTTCCT  
 GTTCTGCTTCCCGGAATGGCTAGCTGCTTACCAAGCGAAGAAAGAAAAATGTTTTGAGAGGAAAAAG  
 ACCAAATTCATTGCCTGTGATTTTCTGACTGAGTGGTTATACAACCAAAATCAAAGAGGGCAGGGGAG  
 CCATTCACAGAATTTTCTCCATTCCATTTGTGGAGGAGCGGCTAAAGCAACACCCACGGCCGCAATC  
 CCACTCTCGCTCCTGCTGACAGAAGAGGAAGCAGCCCTCTACATTCAATCCTTCTGGAGAGCCTGTGTG  
 GTTCGCTGTGATCCTGAGATTCAAGAACTGCGTCAGTGGCAGAAGAACTTCGCGAGGCCAAGCACATT  
 CACCAGCAAGTCAAATTTTCTGGGCCAAGCAAGAAACAAAAGTGAATGCAAAATGGAGGACGATGCA  
 GTACCTGCAGCAAGATGAAATTCATCATCTTAA  
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGCGCGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_153208
Insert Size:	864 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_153208.2</a>
<b>RefSeq Size:</b>	3497 bp
<b>RefSeq ORF:</b>	864 bp
<b>Locus ID:</b>	124152
<b>UniProt ID:</b>	<a href="#">Q8N0W5</a>
<b>Cytogenetics:</b>	16p12.3
<b>MW:</b>	33.3 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>