

Product datasheet for **SC123139**

IQCD (NM_138451) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IQCD (NM_138451) Human Untagged Clone
Tag:	Tag Free
Symbol:	IQCD
Synonyms:	4933433C09Rik; CFAP84; DRC10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_138451 edited

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CTGAGATTGGCGGGTAACCTAGCAACGCAGGGACCGCGGTAAGTGTGGCTAGGGAAA
CCTGGAGCGGTCAGAGCAGGATGGCCAGAGACAATAAAGCAGCAGACCAAGTAGTCTA
CCGAAGTCTCCATCTCTGTGGACCTACAGAGGCACAGAGGGCTGCTCACAAAGATGGCTTT
AGACATTCTCGCATGGCCCTTTGTATCAGGCCCTGCCATCAACAGAATAGGGCCAAA
GACAGACCCATCTAAAAGGCCAGCTGATCCACTAAACCCCTTGTTCTCTCTAGGACAA
ACTCACCACCATTTAGGCCAAAAGGATCATGTCCATCCTGGATGAGGCGATCTACAAGGT
GGAGCTGGTGACCTTGTGTCTGTATGTGGCATCCAACAGAGAGGATATGGAGGGGATGCT
GGGGGAGGACGTCATGAGGGCAGTGAGAGAGCATGAGGATCTCTGCCAGGTCCTCCTTGA
AAACGTCAGGTGCCTGAAAGAGAAAGAAAGGCAATTGCAGGAGCAGAAAGAGGCTGAGGA
GGAAGGGTGGCTCAGAGACCGCCTCCTTTCCATAGAGCTGCAGAAATCCAGCCTCTCACC
ACTTATGCAGCAGATCAAAGACTCCACCAAGAACGTCCTTAGACTCTTGCTCAGCAACCC
CCAGGCTGCTAGGCTCCTGCAGATGCAGACACAGGGTAGAAGTGCAAGGCCAGAAATTT
TATTGACAGCCTGATAGAGCTCCGTGGTTTCTGTTTGAAAACTACTACTAGTCCCAT
GGAAGCGAGGGATAAGGCCAGTTCTTACAGGATATCAGTAGACAGAATAGTAATAACCA
ACAAATCATTGATACTCTTGAAAGGAATTGGCGGAGAGAATGAAGAACAGGAATGCAGA
GGAGGAGTTGGAGGATCTGGACGCTGTTACAGGGAGGAGAAGATCTCGCTGGAGGAGCT
CAGGCGGAGGCACAAAGTGCTGGTGGGAGAGTTTGCGCAGATCCGGGAAGAGCGGGAGAT
CAACTCCAAGAAAAGGATGGAGGCAGAGCAGGAGATGGTGCGCATGGTACGGGCGGCCAC
GCTCATCCAGGCCCTATGGAAGGGCTATCTGGTGCCTCCCTGCTCAGATCCAAGAAAGAA
GCGGGGCAAGGGCAAGGCAAGGACAAGGAGAAGGGCAAGCAGAAAGGCAAGGAGAAGGG
CAAGGGCAAGAAATGAGCTCTCCACCCAGCCGCTCCTGACCCTTATCTTCCAGAGACC
AGGCCAGGAAGGCCCGAGATGGAGAGCACTAAATTCACGGCTTTCATGTTTTATTTAAT
AAATTAAGAGTATTTGAAGCCACATTGAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_138451 unedited <pre> NNNGGTTTTGATTGTATACGACTCATATAGGCGGGCCGCGATTCCCGGGNAATCGTCGA CCCACGCGTCCGCTGAGATTGGCGGGTAACCTAGCAACGCAGGGACCGCGCGGTAACGTG TGGCTAGGGAAACCTGGAGCGGTGAGAGCAGGATGGCCAGAGACAATAAAGCACGAGAC CCAAGTAGTCTACCGAAGTCTCCATCTCTGTGGACCTACAGAGGCACAGAGGGCTGCTCA CAAGATGGCTTTAGACATTCTCGCCATGGCCCCCTTTGTATCAGGCCCTGCCATCAACAG AATAGGGCCAAAGACAGACCCATCTAAAAGGCCAGCTGATCCACTAAAACCTTGTTCT CTCTAGGACCAAACCTCACCACCATTGAGGCCAAAAGGATCATGTCCATCCTGGATGAGGC GATCTACAAGGTGGAGCTGGTGACCTTGCTGTCGTATGTGGCATCCAACAGAGAGATAT GGAGGGGATGCTGGGGGAGGACGTCATGAGGGCAGTGAGAGAGCATGAGGATCTTGCCA GGTCTCTCTTGAAAACGTCAGGTGCCTGAAAGAGAAAGAAAGGCAATTGCAGGAGCAGAA AGAGGCTGAGGAGGAAGGGTGGCTCAGAGACCGCTCCTTTCCATAGAGCTGCAGAAATC CAGCCTCTCACCCTTATGCAGCAGATCAAAGACTCCACCAAGAAGCTCCTTAGACTCTT GCTCAGCAACCCCAAGGCTGCTAGGCTCCTGCAGATGCAGACACAGGGTAGAAGTGCAGA AGCCCAGAATTTTATTGACAGCCTGATAGAGCTCCGTGGTTTCCTGTTTAAAACTACTC ACTAGTCCCATGGAAGCGAGGGATAAGGCCAGTCTTACAGATATCAGTAGACAGATAG TAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_138451
Insert Size:	1363 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:	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_138451.1</u> , <u>NP_612460.1</u>
RefSeq Size:	1363 bp
RefSeq ORF:	1044 bp
Locus ID:	115811
UniProt ID:	<u>Q96DY2</u>
Cytogenetics:	12q24.13

Gene Summary:

Component of the nexin-dynein regulatory complex (N-DRC), a key regulator of ciliary/flagellar motility which maintains the alignment and integrity of the distal axoneme and regulates microtubule sliding in motile axonemes.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) lacks two consecutive exons in the 3' coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter but has the same N- and C-termini as isoform 1.