

Product datasheet for **SC124421**

IQCA1 (NM_024726) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IQCA1 (NM_024726) Human Untagged Clone
Tag:	Tag Free
Symbol:	IQCA1
Synonyms:	4930465P12Rik; DRC11; IQCA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_024726, the custom clone sequence may differ by one or more nucleotides

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ATGTCGAACGCAATGTATAATAAGATGTGGCATCAGACCCAAGAAGCCCTCGGTGCTTTACTCGATAAAG
AGCCTCAGAAGATGATTGAACCACAAAGAAATCAGGTTTTTCATCTTTCAAACATTAGCCACCTTCTACGT
AAAGTATGTGCAGATCTTTAGAAACCTAGAGAATGTCTACGACCAGTTCGTCCACCCCCAGAAACGAATA
CTGATCAGGAAAAGTCCTGGACGGGGTGATGGGCCGCATCCTGGAGCTGAAGAACGAGATGGTGGAGCTGG
AACTCACGGAGTTCATTATTTTCGATGATATCCTGCAGGATCTCAAGCTGGCCCCCAACAATTAGATAT
TCCCATACCCAAGTATTTTTGAAGGAGAAGTTGGAAGTAATAAAAGGAAGAGAGAAAATTTCTTGCTCAA
ATATTAGCGGACAGCGGAATAGATACATCTGACATGAAATACCCTGTAAAGAGTATCCCTTTTCGATGAGG
CTGTAAATTAATCCAGATTGCTGAGAGGGCACGGCAAGGTCGCCTAAGGGCTTTATTTCATGAAGCAAAAT
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GCACTCCGCATTGAGAAGGTTTGGCGACGTTTCCATCAACGTAAGGAAACTGAAAACTGAGAGAAGAGG
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AAAGGTGGACCGCTGCGGAATGAGGTGCAGATAAAGCATGAAGAGGACTACAGGGAAGCCCTGGTTACC
ATCAAGAATGACCTAAAGTTGATAGAAGCGTGGATATCAAGGAGAACCTTCAAGACCAGATCCGGCATT
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AGGAGAAAAATAAGGAAGAAGACGAAAAATGGAAGTGTACCAAGTCTTTTTCTTCTGCAATGAAGGA
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TCAACCTCTCTGATTACATTGGTGAGTACAGCTACCTGGGGACTACTCTCGCCAGGTGTCCATAGAACC
CATGCCCTCCCTCCTGGATGTCAGACAGCTCATCACATTGTACGGAATCTGGCCATTAGGTTCTGCAGCA
GTGCATGAGAAAGCTCCTTTGGTGAAATCGCTACTGTTAGCCGGGCCGCTGGGGTAGGGAAGAAAATGC
TGGTCCATGCCATCTGCACCGAAACGGGAGCCAACCTCTTCAACTGTCTCTCTAACATTGCTGGGAA
ATACCCTGGCAAAAATGGCCTCCAAATGATGCTGCATGCAGTCTTCAAGGTGGCTCGACAGCTCCAGCCC
TCCGTGGTGTGGATTGAAGACACAGAAAAACCTTCTACAAAAAGTTCCCAACGCAGAAAAGATGAATG
AACCTAAACGCCTGAAAAAACACCTTCCCAAAATCCTGAAACTCCTGAAACCAGATGACCGGATTCTGAT
TGTGGGGACCACACGGCGTCCCTTCGATGCTGAACTCCAATCTTCTGCAAAGTTTACCAGAAAATTATT
TTGGTGCCAGACCAGACTATGCTTCCAGATACGTTCTGTGGAAGCAAATCATTGAACGCAATGGAGGAG
TCCTCACCAGTGCCTTGAATGTCAGCTGCCTGGCGAAGGTCACTGACGGCTTACCCAAGGACATATAGT
CGAAGTGGTTAAAGGCGTGCTCAGATCAGAGAATCCGGCGGCAAAATTCATAAACCTCTCACTGCAGTT
GAGTTTATTACGGCGATAACACAGCATGAATCCAGTGTACAAAGAGGAAGAAGAGAGCTTTAAGAACTGGT
ATGCCAAAACCTCTGGGTAAAAACGTGCCTTGGCGATAACAGGAGGCAGCACAGAAAAGGCAAGGA
CAAAGGGAAAAGGAAATAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_024726 unedited <pre> ACTATAGGGCGGCGCGAATTCGGCACGAGGGAAGATTCTCGCAGTCCTGGTTTCTCCCT CCAGAAGACCCCCACCCAAATCCTCTGTAGCTCCTGGTAGTGCCCTGACCCCTGCTGCC ACCGTCCTTCAGAGAGCAACGGAAGAGCTTCCCGAGGGCGAGGAAAAGAGGGAAGTAG CCAGCAATGTGCAACGCAATGTATAAAGATGTGGCATCAGACCAAGAAGCCCTCGGT GCTTTACTCGATAAAGAGCCTCAGAAGATGATTGAACCACAAAGAAATCAGGTTTTTCATC TTTCAAACATTAGCCACCTTCTACGTAAAGTATGTGCAGATCTTTAGAAACCTAGAGAAT GTCTACGACCAAGTTCGTCCACCCCGAGAAACGAATACTGATCAGGAAAGTCCTGGACGGN GTGATGGGCCGCATCCTGGAGCTGAAGAACGAGATGGTGGAGCTGGAACCTACGGAGTTC CATTATTTTCGATGATATCCTGCAGGATCTCAAGCTGGCCCCCAACAATTAGATATTCCC ATACCAAGTATTTTTGAAGGAGAAGTTGAAAGTATAAAAGGAAGAGAGAAAATTCTT GCTCNATATTAGCGGACAGCGGAATAGATACATCTGACATGAAATACCTGTAAAGAGTA TCCCTTTTCGATGAGGCTGNTAAANTTATCCAGATGCTGAGAGGGCACGGGCAGGGTCGCT AAGGGNCTTATTCATGAAGCANNATCTATCTGCAGATATAGAGCANAGCATCCAAGATGC TTGGCANGAAGTGACAGATACCTGNGCTGCTGCACTTCGCATTGAGAAGGNTGGNCGAAC GTTCCATCNACGTANGGAANNCTGANNACTGAGAGAGAGGAGATGATCTTCCTGGTATGA ATNCACTNCTCTTATGNAGTCAGTGCTACAGTATCAGCTGAAAGNTGGACCGCTGCGA ATGAGTGCNATAAGCTGANAAGACTCGGGNANCCCTGGTACATCAGATGACTAGTGAAAA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_024726
Insert Size:	2850 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_024726.3, NP_079002.3</u>
RefSeq Size:	3250 bp
RefSeq ORF:	2469 bp
Locus ID:	79781
UniProt ID:	<u>Q86XH1</u>
Cytogenetics:	2q37.2-q37.3

Gene Summary:

The protein encoded by this gene is a member of the ATPases Associated with diverse cellular Activities (AAA) superfamily. Members of this superfamily, found in all organisms, participate in a large number of cellular processes and contain the ATPase module consisting of an alpha-beta-alpha core domain and the Walker A and B motifs of the P-loop NTPases. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jul 2012]
Transcript Variant: This variant (1) encodes isoform 1.