

Product datasheet for **RC208441**

IQCH (NM_001031715) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IQCH (NM_001031715) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IQCH
Synonyms:	NYDSP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208441 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCACAGAACTGAAAACACGACCCTGTCGGATCCATCTTAATCCAGATCCATGAAGACCTTTATC
AGTTAAAGGAGAAATTAACAAAATTCACCTGAGGAAAAGGAGAGACTCTAGACATTCAGAGTCTTGA
AACAGCAATCAAAGGACTGAAGTGGGGTTAAGAATTCACATTGAGAAGTATTTAAATGTTGTAACCCAG
AATGTATTAACGACTTCTGTTAATGATGAGAGCTTATATACTCCCGAGGCTTCCAATGGTTACTTCCAA
CTGTAATTGATCAGAAATCATTTATTTCCCTCAGGAATCTGAGGGTACATTTTGCAACCCCAAGACA
GCACAGTTCATCTCTGCCTGTCTTTCCAAGAGCAAAGATAAAGGTTTCGAAGTTAATCAAAGGGTCTAAC
ATATCCAGCCTCACGGTCTGCCATCTTCTCATTGCACAGATCCCTATTTCACTCTATACCACTTTAC
AAGCAGATGCCCAAAAGGGATTTAAGTATGATAGAACGAGGGCTGATTCCACCAACAGCAAGGATTAC
CTTTCAGAATCCACCCATTACACCCAGAGCAGCTCCTCTGCATAGTTTGTGATGAAGCAGCTAAGATTCCA
ACTGTAGCCACTTTCATATACCTCGGGAACCACTCCATCTCCAGCAGAAGTGAAGTCTTTCCCAAGA
AACAAAGATCAAAGGGGAAAAGCAGAAGGTCAAGAGGACATCATGATAGGAAGGCCATGAAAGTCAAAC
ACCTTTGAGAGCCCTGAAATCACTGTGGGATTATGACTTTTTAATTTATGATGGTGTATAGACAATACA
GCCCCAGACTTCTTAGCATTCAAGGAACATTTAGCTTAGCTTGGGAGGTATTTTTCTCTCTTGAAC
AGTCGAGAAGTTTCTCAGGAATCTATGCTATACCAGAAGTCAAAATAAAAGGGAATAATTTGGTGGCCCT
CCTTCCAGAGTTTGAGCTGACGAATAAACTTACCAGATATGACCTTCTCTCAGTGTAGAGGACCCAGCT
CATGTCCAAATGCTGATAAATCTTCCAGGGCAAAGGTACAAGGGCCAAGATGGAATTCGGAGGCCGCCA
TGAAGATCCAAGCCACATGGAATGCTACAAAGCAAGAAAATCTTCTCTTTATCGCCAGCAGAAGTG
GGCATCAGGTGTGATTGCCATTGCTTGGCTGTTATATTGCCATAAGACTCGACTAAAGAAGATACTAAAG
GAATCACGTCAGAGACACCTGGAGAATTTTCGATTCGAGCCAAGCATCTGGCAGCCAAGTGAATCGCA
TCAGGACCTCCAGGAGGACTATTATCCATATCCCATCATTAGGGTATCCAGCCTGTGAGAGAATAT
TGCCGATTTCAACACACAGCAGAACATGCAGCTGGGAGGCTGTGTGACATCTTAGATGCCAATGTGAAT



[View online »](#)

GTCATCTACATCTGCTCCCATCATATGAATGACGAGTTAGTGCTGTATTACAAAAAATCCTAAGTCTAC
 ATGCAGCCGTCAAATCTGGGAACCTTGAGGACAGAAGTGACCTGCAGGACAGGTTCAAAATTATCACACC
 TGAAGCTGTAAACATCTTCCCTAAGCATCATATGTGCCTGGCCACTCACCTGATGTACAGTCCCAAGGCA
 ATCAAAAGAATAAAAAATCTCATCCGAGGAACAGAGGCCCTACATCGTCAGCGGGCTCCTCCACAGAGATG
 ATTTAGCTGTGGCCGATATGTTAGACATACCCATCCTGGGCTCTGAGCCTGAAGTACGTCTATCTTTATAG
 TACCAATCTGGAGGCAAACGTGCTTTGACAGTGCCAATGTGGCAGTTCTCTGGAATATATGATATT
 TATAGTCAGCAACAGATGATAGAGCAGCTGAGTCAGCTGATAACTGATCACCTGCAAAATACAGCGCTGGC
 TCTTTAAATGGACTCTGAGTTCCGAGGAAATGGGACTGCATTTTGTGATATTCCTTCTACCTAAAGTG
 CTACAAATGGGTGCTAAAGGAGAGTAGCAGATATGGCCTTGAAGACTGGAGAAAGAAATGGGCACAAGAG
 CCAGCTTTGGTGAAGATCTCTGAGGAGCTGGCGGCATTTTAGCACAGCACGCACAGCCAGTCAATGAGA
 AACGGTCCCAGCTGGAGGAAATTCCTCAAACATTTCTCAGTCAAGGGGGTGTGATCGAAGCATTCCC
 ACCTGCAGACAATGTACCAACCTCACAGTGGACATGCTGATAGAGCCCAACGGGAAATCAGCGTGCTG
 TCGACAGGGGACCAGTTCATGCTGAAAGCCCTTCATCTCTCTGGTACCACCTGCCTCAGACCTCAG
 TGGATCCCAAGTTCCTACTTATTTGTGCTCCAAATTGAAAAGCCTGCAGAATGAGAGATGTGGTTGG
 TTACTTTTCGATAGATCTGGTGACTTTTATAGATCCAAGCACCTTGAACAACAGGTGTGGCAACCGGC
 CTTAACCTCGCATATAGTGACCAGCTGGCCTGACTCAACTCACCTTATACCTGACAAACGGCCATCTGG
 ATTGCAGTTTGAGCACCTGGAAGTGCCCGCTTTGTTCCAAAGGAAAGGAAAGAAACCAATGCATGAG
 TGCGCTGTCAATGCCGATGCTGGCAACCACTCGCTATGCACTGATGACACCCAGCTAAGACACAGCAAT
 CTCTCACTGGTTTTCCACTATGTTTTTCTCAGATCTGTAGGGCCCATGGCATTGGCTATGATCTTGAGG
 AAAGGCAAGGAAGTGTATTTATATTATATGAGCACCTGAAGAGACACAAGTTGGGAATGTTAACAATCGG
 CGAGGATCTCCAGGGGCTCTCATGACCTTTGCTCGCCATCTTTCATCATCCATCAAGAAATATCAGCA
 CCTAATATGCAAGGCGAGACCAATTTTAAAGACCACCATGCTGATATTGAAACTATTCTAAGAGTAACAA
 AGGAAAAACAAATGAGATTTGAAGAGGAGCAACAGTCCAAAGATGATAAAACCTCTCTAAACCAAGAA
 A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC208441 protein sequence
 Red=Cloning site Green=Tags(s)

MAQNTENHDPVGSILIQIHEDLYQLKEKLTKFSPEEKGETLDIQSLETAIKRTEVGLRIHIEKYLNVVNQ
 NVLTTSVNDESLYTPQASKWLLPTVIDQKSFIFPQSEGTFWQPQRQHSSSLPVFPRAKIKVSKLIKGSN
 ISSLTVPSSHCTDPYFTPIPVLQADAHKGILSMIERGLIPPTARITFQNPPITPRAAPLHSFDEARKIP
 TVATFTIPREPPSPAIEVKFFPKKQSRSGKSRSGHHRKAMKVKTPLRALKSLWDYDFLIYDGVINDT
 APDFLAFKEHFLAWGGIFSLLEHVEKFLRNYAIEVKIKGNLVALLEFELTNKLTRYDLLSVLEDPA
 HVQMLINLPGQRYKGQDGNSEAMKIQATWKCYKARKFFLFYRQKQWASGVIAIAWLLYCHKTRLKKILK
 ESRQRHLENFRIRAKHLAANWNRIRTSRRTIIHIPSLGYSQPVREHIADFNTQQNMQLGRLCDILDANVN
 VIYICSHHMDELVLYYKKILSLHAAVKSGNLEDRSDLQDRFKIITPEAVNIFPKHHMCLATHLMYSPKA
 IKRIKNIIRGTEAYIVSGLLHRDDLAVADMLDIPILGSEPELAHLYSTKSGGKRVFDSANVAVPPGIYDI
 YSQQMIEQLSQLITDHLQIQRWLFKMDSEFRNGTAFCDIPSYLKCYKWLKESRYGLEDWRKKWAQE
 PALVKISEELAGILAQAQPVNEKRFTWRKFLQTFLSQGGVIEAFPPADNVNLTVDMLIEPNGKISVL
 STGDQLHAESPFISSGTTVPQTSVDPQVLTYLCLQIGKACMRDVGYSIDLVTFFIDPSTLEQQVWATG
 LNLAYSQDLALQTLTYLTNGHLDCSLSTLEVPRFVPKERKKTCKMSALSMPLATSRYAVMTTQLRHSN
 LSLVFHYVFLQICRAHGIGYDLERQGTVFILYEHLKRHLKGLMTIGEDLQGVLMTFARHLFIIHQEISA
 PNMQGETNFKTTIADIETILRVTKENKMRFEQQSKDDKNLSKPKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6678_h08.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001031715

ORF Size: 3081 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

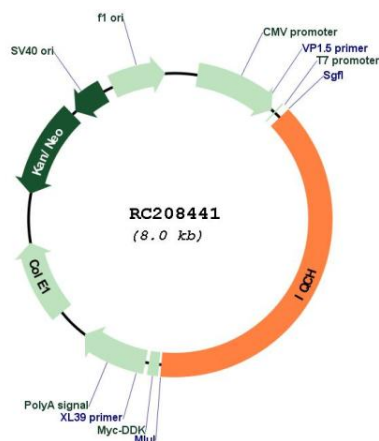
RefSeq: [NM_001031715.1](#), [NP_001026885.1](#)

RefSeq Size: 4254 bp

RefSeq ORF: 3084 bp

Locus ID: 64799
UniProt ID: [Q86VS3](#)
Cytogenetics: 15q23
MW: 117.4 kDa
Gene Summary: May play a regulatory role in spermatogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC208441