

Product datasheet for MC202430

Ahcyl2 (NM_021414) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ahcyl2 (NM_021414) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ahcyl2
Synonyms: 4631427C17Rik; Adohcyase3; AI227036; mKIAA0828
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC079660 sequence for NM_021414
 CGGTGATGTCGGTGCAGGTTGTGTGTCAGCAGCGGCAGCCGCAAGGTGCCTGAGGTGGAGCTGAAGGATCT
 GAGCCCCCTCCGAGGCGGAGCCCCAGTTGGGACTGAGCGCGGCGCCGTGGGCGCCATGGTACCCCCAGCG
 GGTGGCGGGGACCCAGAGGCTCCAGCTCCGGCTCCCGCGGCGGAGCGGCCCCCGGCCCGCCGGGCT
 CGGGGCCACCGCGGCTCTGAGCCCTGCGGCGGGAAAGTCCCTCAAGCGTCCGCCATGAAGCGGAGCGA
 CCCTCATCACCAGCACCAGCGGCATCGCGACGCGGCGGAGGCCTTGGTACGCCCCGACGGCACGGTCAAC
 GAGGCGCCGCGCACGGTCAAGAAGCAGATTGAGTTTGTGACGAGAAAGCAGGAATTCAACAAACGTCCCA
 CAAAATCGGACGTCGCTCTTTGTCTCGTTCCATCTCTCAGTCATCTACTGACAGCTATAGCTCAGCTGC
 CTCATATACAGATAGCTCTGACGATGAGACATCCCCAGGGACAAGCAGCAAAAGAACTCTAAGGGAAGT
 AGCGACTTCTGTGTCAGAACATCAAACAAGCGGAGTTTGGACGCAGAGAAATTGAAATTGCTGAGCAAG
 AGATGCCTGCCTTGATGGCTTTAAGGAAGAGAGCCCAAGGAGAAAAGCCTTTGGCTGGAGCCAAAATTGT
 GGGTTGTACGCACATCACTGCTCAGACAGCCGTGCTTATGGAGACTGGGTGCTCTGGGGGCACAGTGC
 CGATGGGCTGCCTGCAACATCTACTCCACCCTCAATGAAGTGGCTGCTGCTCTCGCAGAAAGTGGGTTTC
 CCGTCTTTGCCTGAAAGGAGAATCAGAAGATGACTTTTGGTGGTGCATTGACAGATGCGTGAATGTGGA
 GGGCTGGCAGCCAAACATGATACTGGATGATGGAGGAGATCTGACTCACTGGATTATAAAAAGTATCCC
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 CCAAAGCTGGGAAGCTGTGTGTTCCCGCATGAACGTCAATGACTCAGTCACTAAGCAGAAATTTGATAA
 CAGTGGTGGTCTGTGGCTATGGAGAGGTGGGAAAGGGTGCCTGCGCTGCTGAAAGCCATGGGCTCCA
 TTGTGTACGTGACTGAGATTGACCCCATCTGTGCCCTGCAAGCCTGTATGGATGGATTCCGACTAGTGAA
 GCTGAATGAAGTCATCCGACAGGTGCACATTGTTATTACTTGCACAGGGAACAAGAAATGTGGTAACCAGA
 GAGCACTTGGACCGTATGAAGAATAGCTGCATCGTTTGTAAACATGGGCCATTCCAACACCAGATTGATG
 TGGCCAGCCTGCGGACACCAGAACTGACCTGGGAGAGAGTAAGATCCCAAGTTGATCATGTGATATGGCC
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 GCTATAAGCAAGATGTGTACCTGCTACCAAGAAAATGGATGAGTATGTGGCAAGCTACACCTGCCAC
 CTTTGATGCCACCTGACAGAGCTAACAGATGAACAAGCAAGTATCTGGGACTCAACAAGAAATGGACCC



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TTCAAGCCTAACTACTACAGGTATTAAGTTCCTGTAATGCAAGCCAGAAGACATGTTAAAGAATAGAACC
AAGCCTTTTCTCAAATACTATCCAAGGAAGAACCTAGCAAGCTGCTTCTCCAATCAGAGCTGCCCGCGT
GCTCATCTGTGTGTTAGGTTATTTATTTAAAAATCTAGAATCCTGTGCCTGTAGCCTTGGCCAGAG
TGTGGTACTAACTCGTGGGGCCGTGAGAGCCACAGAGGACAGGCTGAGGAAGGAAAGAAATGGGCTAGC
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CAACAGAGGACACCCAGAATCACTGAAACCTTCCCTCTAGATCTTCTCCCTGGCTCCACCATCTCTGCTG
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AACTTGGGTAGGTGGCTGGTTTGCCTTATGGTATACATTCTGGCTCACCCAGAAGATGGACTCTTGCCA
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CCGTTCTGTTTGCCTCATTCTGATTTCTGTATTAGCGAATGCATCAATCACTCTCCACTACCATATCT
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CTCTACAGAGCTTCTTATGGCTGCCACACCATAGGGAAGAGATCCCTCCAAGTAAAAAGGAGCCACAT
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ATTCCTTCTCTCTGGAGACTTCTGTGTCATCAACCATTAAGAAAGTAGCCAGAAATAGGATGTAAGACA
GTGATAGGACACTTGATTAGCATGTGCCAGGCCCTGGGGCGAATGAATCCCAGTACAGCAGGCTTGTGGA
GAGTTGGGAAGAAAGAAGATAGCCCAGGTTCTGCCCTAATGCTGGAACCAAAATCATTGTTTCTCTAACC
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CCCACGGCCACACTCCTGCAAAGCTTTTTCTGCTGCTTGGCTTTTCTGAAAAGATCTGAAATTGCT
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AAGTCTAAACATATATACTTATATATGTAACACATCCATATCTATACAAATAATCATCTAGTTCTT
ACTGTCATCTTACTGAAAGGAACAAAGCCTCTAAGGATACCAGTTCTGAGAAGCTCTTGGAAATCTCTA
TGCTAAGTGATTGTATTAGATCAGCAATAATGACTATGTAATCTCAAAAAATAAAGTATCTTAAAAACT
GGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:

Ascl-NotI

ACCN:

NM_021414

Insert Size:	1842 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>BC079660</u> , <u>AAH79660</u>
RefSeq Size:	5142 bp
RefSeq ORF:	1842 bp
Locus ID:	74340
UniProt ID:	<u>Q68FL4</u>
Cytogenetics:	6 A3.3
Gene Summary:	May regulate the electrogenic sodium/bicarbonate cotransporter SLC4A4 activity and Mg(2+)-sensitivity. On the contrary of its homolog AHCYL1, does not regulate ITPR1 sensitivity to inositol 1,4,5-trisphosphate.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).