

Product datasheet for RN215028

Ahi1 (NM_001002277) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ahi1 (NM_001002277) Rat Untagged Clone
Tag: Tag Free
Symbol: Ahi1
Synonyms: Ahi-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN215028 representing NM_001002277
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCAAGAGACTCCAGAGAAGGTGGACTCTGCACAGGAGAAGGTCAGAGGCAAGTCCCAGCCAGCAG
 ATGACTCGGAGGACAGCCGAGAAAAGGCTGGGACAGAGGGGACGGGAGAAGTACCGAAGCCTATGAGCT
 GCAGGTAGCTGAAGAAATGGCAAAGAGATCAAGAAGAAAATAAGAAGGAAGCTAAAGGAGCAGCTGACC
 TACTTTCCCTCCAGACACTCTGCTGCATGACGACAAGCTGGGCAGTGAAAAAGGAAGAAGAAGAAGA
 AAAAAAGTCCCAGTGCCAGCTAAGCCTGAGACGAGTCCCTCAGATGTCTGTGACAGTGCAGCTGAAGGTGA
 GCAAAAGAAAGAAGGCGCCCTGAGGGGTCTACCACAGGGAGGGAGGATGCTCAACAGAACAGAATGCA
 GATGCTAGTGTACCAGAGAACACAAAGCCAAACCAAGAAGATGAAGAAGAAGCCTAAAGCAGTTTCAG
 AGGATAATGAAGAGACTAATGGAGATGGTGTTCATGAGATAACAGGCCGAGACAGCCAGTTCATCCCAA
 GTGTTTGCTCGATGACGACCTCGTCATGGGAGTCTACATTCACCGAACCGATCGGCTTAAATCTGACTTT
 ATGATTTCTCACCAATGGTAAAGATCCATGTGGTTGATGAACACACTGGCCAGTACGTCAAGAAAGATG
 ACAGTGAGCGTCCCCTCATCTTACTATGAGAAAGACAACGTGGACTATATTCTCCCTATTATGACGCA
 GCCGTACGACTTTAAAAAGCTAAAGTCAAGGCTTCCAGAGTGGGAGGAACAAGTTATTTTAAATGAAAAAT
 TTTCCCTATTTGCTTCGAGAGTTTGATGAGTGCCAAAAGTCATTCTGTTCTTTGAGATTCTTGACTTTT
 TAAGCATGGATGAAATCAAGAATAACTCTGAGTTTCAAACCAAGAATGTGGCTTTCGAAAAATTGCCTG
 GGCATTTCTTAAGCTCCTGGGAGCCAATGGAAATGCAAACATCAACTCAAACCTTCGCTGCAGCTCTAC
 TACCCACCTACTAAGCCTCGATCCAGCCAATGTTGTTGAGGTTTTTGTGAGTGGTGGTCCAAGTGTCCAA
 GGAATCGTTACCATCAACACTGTATGTAACCGTACGAGGTTGAAAGTCCCGACTGCATAAAGCCATC
 GTACCGCTCTATGATGGCTCTCCAGGAGGAAAGGGGTACACCAGTGTACTGTGAACGCCACCGTGAACA
 AGTTCTGTGGACACAGAACCTGGATTAGAAGATCAAAGGAGGAAGTAAAGTGGAAACGCTCTGCCGGCC
 AGGCCTGTGATCCCAAACAAGCATCTTCTCACTAAATGCTGGAGAGCGAGGGTGTTTTTGCCTTGA
 TTTCTCCACAATGGAAGGATATTAGCAGCAGCCTGTGCCAGCCGAGACGGATATCCGATTATACTATAC
 GAAATTCCTTCTGGACGTTTCATGAGAGAATTGTGTGGCCACCTCAATATCATTTATGATCTCGACTGGT



CAAAAGACGATCGCTATCTTGTTACCTCATCATCTGATGGCACTGCCAGGGTTTGAAGAATGAAATCAA
 CAGCACAAGCACGTTTACAGAGTCTTACCTCACCTTCTTCGTCTACACGGCTAGATTCCACCCCGCCACA
 CGAGAGCTGGTGGTTACGGGATGCTATGACTCTATGATTCCGATATGGAAGTGGATGCGAGGGAAGATG
 CCGCCATCTTAGTGCGCCAGTTGGATGTCCACAAGAGCTTCGTCAACTCCATCTGTTTTGATGATGAAGG
 TCACCACATGACTCAGGAGACTGCATCGGCGTCATCGCTGTGTGGGACACTTATGTCAAAGTGACTGAT
 GTGCAGCACTCTGTGCGCACTGGACAATAAACAAAGGAAATTAAGGAACTGAATTCAGGGGAGTTCCAG
 TCAGTTACCTGGAGTGCATCCCAACGGAAAGCGTTTATTAATCCACACCAAAGACAGTACATTGAGGAT
 CATGGATCTGCGGATATTAGCAGCCAGGAAATTTGTGGCGCAGCAAATACCGGAGAAGATCCACAGC
 ACTTTGACACCGTGTGGGACTCTGCTCTTTTCTGGCAGTGAGGATGGGATAGTGTACGTTTGAACCCAG
 AGACAGGAGAACAAGTGGAATGTATTCTGAGCTGCCGTTCAAGTCAACTATCCGAGACATCTTACCA
 TCCATTTGAGAACATGGTTGCGTTTTGTGCTTTGGACAGAGCGAGCCATTCTTCTTTACATTTATGAT
 TTCCAGGTGGCCAGCAGGAGGCTGAAATGTTGAAGCGCTACAGTGGGACAGTCCCGTTACCTGGGATCC
 ATCTGAGTGAGGATGCTCTATGCACCTGCCCTAACTGCCCCAGCAGGGCTCTTCCAGATCGATGAATT
 TGTCAACACTGAAAATAATTCATCAAGAAAGATTCAGCTTGTGAAACAGAGACTCGAAACTGTCACAGAG
 GTGATACGATCCTGTGCTGCAAAAAGTCAACAAAATCTCTCAATCACTTACCACCACCAGGCCCTGCAA
 AGAAGCCAAGGGTGAAACAGTCATTCGTGCTGACCACCGATCAGATCATACATCAGTTTGGAGTCCCTCA
 GACGGCATTATCAGCATAGAAAGAAGACCTTTTATGCGTCCAGTGGATCCGCCACCAATGGTAGTGGCT
 CTTTATGACTACACAGCGAGCCGATCAGATGAACTAACCATCCATCGCGGAGACATTATCCGAGTGTCT
 TCAAAGATAACGAAGACTGGTGGTACGGCAGCTTAGGAAAGGGGCAGGAAGGGTTCTTTCCAGCTAATCA
 TGTGGCCAGTGAGACACTGTACCAGACTCGCCCCAAAGGTAAGGAGCGGTCCCTCCTTTAACTCCC
 AAGGAGAAAGCTAAAATGGAAAAGCCTCCAGCTTCTCGAAAGTCACTCATTAAAGGACAGGTTCTGGATT
 CCAGACTGGGCTCGAAGCCTATGGGACATTCTGAAAAGGGCAGAGATCAAACCTCGAGGAGCGAGGACA
 CAAATCGGATATGGAGATGAAGAAAAGTGAAGCAACGGTCCGCAAAGTCAACCTGATAGATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001002277

Insert Size:

3144 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:
NM_001002277.1, NP_001002277.1
RefSeq Size:

3144 bp

RefSeq ORF:

3144 bp

Locus ID: 308923

UniProt ID: [Q6DTM3](#)

Cytogenetics: 1p12

Gene Summary: mutations in the human homolog are associated with Joubert syndrome, an autosomal recessive disorder resulting in severe cognitive disability [RGD, Feb 2006]