

Product datasheet for **SC303596**

ATOH1 (NM_005172) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ATOH1 (NM_005172) Human Untagged Clone
Tag: Tag Free
Symbol: ATOH1
Synonyms: ATH1; bHLHa14; HATH1; MATH-1
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005172 edited
 ATGTCCCGCCTGCTGCATGCAGAAGAGTGGGCTGAAGTGAAGGAGTTGGGAGACCACCAT
 CGCCAGCCCGCAGCCGCATCATCTCCGCAACCGCCGCGCCGCGCAGCCACCTGCAACT
 TTGCAGGCGAGAGAGCATCCCGTCTACCCGCTGAGCTGTCCCTCCTGGACAGCACCGAC
 CCACGCGCCTGGCTGGCTCCCACTTTGCAGGGCATCTGCACGGCACGCGCCGCCAGTAT
 TTGCTACATTCCCGGAGCTGGGTGCCTCAGAGCCGCTGCGCCCCGGGACGAGGTGGAC
 GGCCGGGGGAGCTGGTAAGGAGGAGCAGCGGGGTGCCAGCAGCAGCAAGAGCCCCGGG
 CCGGTGAAAGTGCGGAACAGCTGTGCAAGCTGAAAGGCGGGTGGTGGTAGACGAGCTG
 GGCTGCAGCCGCAACGGGCCCTTCCAGCAAACAGGTGAATGGGGTGCAGAAGCAGAGA
 CGGCTAGCAGCCAACGCCAGGGAGCGGCGCAGGATGCATGGGCTGAACCACGCTTCGAC
 CAGCTGCGCAATGTTATCCCGTCGTTCAACAAC : GACAAGAAGCTGTCCAAATATGAGAC
 CCTGCAGATGGCCAAATCTACATCAACGCCTTGTCGAGCTGTACAAACGCCAGCGG
 AGGGGAACAGCCACCGCCGCTCCAGCCTCCTGCAAAAGCGACCACCACCTTCGCAC
 CGCGGCCTCCTATGAAGGGGGCGCGGGCAACGCGACCGCAGCTGGGGCTCAGCAGGCTTC
 CGGAGGGAGCCAGCGGCCGACCCCGCCGGGAGTTGCCGACTCGCTTCTCAGCCCCAGC
 TTCTGCGGGAGGGTACTCGGTGCAGCTGGACGCTCTGCACTTCTCGACTTTCGAGGACAG
 CGCCCTGACAGCGATGATGGCGCAAAGAATTTGTCTCCTTCTCTCCCGGGAGCATCTT
 GCAGCCAGTGCAGGAGGAAAACAGCAAACCTTCGCCTCGGTCCCACAGAAGCGACGGGA
 ATTTTCCCCCATTCCCATTACAGTGACTCGGATGAGGCAAGTTAG



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005172 unedited NAGGTC AATTTTGTATACGACTCACTATAGGCGGCCGCGNATTCCTGCAGCCCGGGGAT CCGCCCATGTCCCCTGCTGCATGCAGAAGATGGGCTGAAGTGAAGGAGTTGGGAGACC ACCATCGCCAGCCCGAGCCGCATCATCTCCCGCAACCGCCGCCCGCCGAGCCACCTG CAACTTTGAGGGCAGAGAGCATCCCGTCTACCCGCTGAGCTGTCCCTCCTGGACAGCA CCGACCCACGCGCCTGGCTGGCTCCCACTTTGCAGGGCATCTGCACGGCACGCGCCGCC AGTATTTGCTACATTCCCGGAGCTGGGTGCCCTCAGAGGCCGCTGCGCCCGGGACGAGG TGGACGGCCGGGGGAGCTGGTAAGGAGGAGCAGCGCGGTGCCAGCAGCAGCAAGAGCC CCGGGCCGGTGAAGTGCGGGAACAGCTGTGCAAGCTGAAAGGCCGGGTGGTGGTACG AGCTGGGCTGCAGCCCAACGGGCCCTTCCAGCAAACAGGTGAATGGGGTGCAGAAGC AGAGACGGCTAGCAGCCAACGCCAGGGAGCGGCGCAGGATGCATGGGCTGAACCACGCT TCGACCAGCTGCGCAATGTTATCCCGTCGTTCAACAACGACAAGAAGCTGTCCAAATATG AGACCTGCAGATGGCCAAATCTACATCAACGCCTTGTCCGAGCTGTACAAACGCCCA GCGGAGGGGAACAGCCACCGCCCTCCAGCCTCTGAAAAGCGACCACCACCTTC GCACCGNGGCCTCTATGAAGGGGGCGCGGGCAACGCGACCGCAGCTGGGGCTCAGCAG GCTTCCGAGGGAGCCAGCGGCCACCCGCCCGGGAGTTGCCGACTCGTTCTCAGCC CCAGCTTCTCGGGGAGGGTACTCGGG
Restriction Sites:	Please inquire
ACCN:	NM_005172
Insert Size:	1100 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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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>NM_005172.1</u> , <u>NP_005163.1</u>
RefSeq Size:	1065 bp
RefSeq ORF:	1065 bp
Locus ID:	474
UniProt ID:	<u>Q92858</u>
Cytogenetics:	4q22.2

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: This protein belongs to the basic helix-loop-helix (BHLH) family of transcription factors. It activates E-box dependent transcription along with E47. [provided by RefSeq, Jul 2008]