

Product datasheet for MC208159

Atoh1 (NM_007500) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atoh1 (NM_007500) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atoh1
Synonyms:	bHLHa14; Hath1; MATH-1; Math1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208159 representing NM_007500 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTC**CCCGCTGCTGCATGCAGAAGAGTGGGCTGAGGTAAAAGAGTTGGGGGACCACCATCGCCATCCCC**
AGCCGCACCACGTCCCGCCGCTGACGCCACAGCCACCTGCTACCCCTGCAGGCGAGAGACCTTCCCGTCTA
CCCGGCAGAACTGTCCTCCTGGATAGCACCGACCCACGCGCCTGGTGACTCCCACTTTCAGGGCCTC
TGCACGGCACGCGCCGCCAGTATCTGCTGCATTCTCCGAGCTGGTGCCTCCGAGGCCGCGGCCCC
GGGACGAGGCTGACAGCCAGGGTGAAGGAGAGCGGCTGTGGCGCCCTCAGCAAGAGCCCGG
GCCCGTCAAAGTACGGGAACAGCTGTGCAAGCTGAAGGGTGGGGTGTAGTGGACGAGCTTGGCTGCAGC
CGCCAGCGAGCCCTTCCAGCAAACAGGTGAATGGGTACAGAAGCAAAGGAGGCTGGCAGCAAACGCAA
GGGAACGGCGCAGGATGCACGGGCTGAACCACGCCTTCGACCAGCTGCGCAACGTTATCCCGTCTTCAA
CAACGACAAGAAGCTGTCCAAATATGAGACCCTACAGATGGCCAGATCTACATCAACGCTCTGTGCGGAG
TTGCTGCAGACTCCCAATGTCGGAGAGCAACCGCCGCGCCACAGCTTCTGCAAAAATGACCACCATC
ACCTTCGACCCGCTCCTCCTATGAAGGAGGTGCGGGCGCCTCTCGGTAGCTGGGGCTCAGCCAGCCCC
GGGAGGGGGCCGAGACCTACCCCGCCCGGCCCTTCCCGACTCGCTTCTCAGGCCAGCTTCTCTGG
GGTACTCGGTGCAGCTGGACGCTTTCAGCTTCCAGCCTTCGAGGACAGGGCCTAACAGCGATGATGG
CACAGAAGGACCTGTGCGCTTCGCTGCCCGGGGCATCCTGCAGCCTGTACAGGAGGACAACAGCAAAAC
ATCTCCAGATCCACAGAAGTGACGGAGATTTTCCCCCACTCTCATTACAGTACTCTGATGAGGCC
AGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2655_f05.zip



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_007500
Insert Size:	1056 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	BC010820 , AAH10820
RefSeq Size:	2118 bp
RefSeq ORF:	1056 bp
Locus ID:	11921
UniProt ID:	P48985
Cytogenetics:	6 30.03 cM
Gene Summary:	Transcriptional regulator. Activates E box-dependent transcription in collaboration with TCF3/E47, but the activity is completely antagonized by the negative regulator of neurogenesis HES1. Plays a role in the differentiation of subsets of neural cells by activating E box-dependent transcription.[UniProtKB/Swiss-Prot Function]