

## Product datasheet for **MR208359**

### **Ath11 (BC023151) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ath11 (BC023151) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ath11
Synonyms:	MGC28193
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208359 representing BC023151  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTATGGATGCCTGTCCCCAGCCTTGACCCTTGGGAAGAGGAGAAGGACAGGACCTGGGAGTTTC  
 TGA CTGTTGTGGGTAGCAGCCAGGCTGAAGCCAGGACTGCTTTGCTGAGGCCCTACAGCTGCAGACCAG  
 GGGTGTCTGTATAACAATCCATGCAGACTCCTGGGGCCGGCTATGGGCAGGCTGTGGCCTGGATGTGGCT  
 GGGCCCTGGCCCTGCGCCAGGCCCTTCGTGGCTCTCTACTACCTGTTCA GTGAGCTTCCCCAGCCTG  
 GCACTCAAGGATTCATCAGCCATGGGCTTAGCCCCGGAGGCCCTCCAATGGGAGTAAGGAGGAATGCTA  
 CTGGGGCCATATCTTCTGGGATCAGGACATCTGGATGTTCCAAATATTTTGTGTTCCACCCAGAAGCC  
 GCCAGGGCCATCCTAGAATACCGAGTCCGTACGCTGGGAGGAGCCCTGAAGAATGGCCAGAACCTGGGCT  
 ACCAGGGAGCCAAGTTTCTTGGGAGAGTGCAAGCACTGGCCTGGAGGTCTGCCCTGAGGACATTTATGG  
 GACCCAGGAGATCCATATCAATGGGGCTGTGGCCTTGGCCTTTCAGCTGTATTACTATTACTCAGGAC  
 TCGAAGCTCTTCCAAGAGGATGGTGGCTGGGATGTGGTCAAGTTCTGTGGCTGAGTTTTGGTGTAGCCGTG  
 TAGAATGGAGCTCCCAGGACAAGATGTACCACCTGAAAGGAGTCATGCCCCCGATGAGTACCATTACAGG  
 AGTCAACAACCTCTGTCTACACCAATGTCCTGGTCCAGAACAGCCTGCACTTCGCTGCTGCTTTGGCCAAA  
 GACTTGGGTTTGCTATCCGCAACAGTGGCTGGAGGTGGCTGATAGGATCAAGTACCATTTGACTCTG  
 AGCAGA ACTTCCACCCTGAGTTTGTGGCTATGAACGTGGAGAAGAGGTGAAGCAGGCAGATGTTGTGCT  
 CCTGGGGTACCCAGTCCCTTTCCCTGACACCTGACATCCGAAGGAAAACTTGGAGACTTATGAGGCC  
 GTGACACCCCCAGGGCCCTGCTATGACCTGGAGCATGTTTGTGTGGGCTGGATGGA ACTGAGGGACC  
 CCTCAAGGGCTCAGGTCACCTGAGCAGGAGTTTCGCCAATGCACTGAGCCCTCAAGGTGTGGACGGA  
 GAATGCAGACGGTCTGGTGCAGTGA ACTTCTTGACTGGCATGGGGGGCTTCTGCAGGCAGCACTCTTC  
 GGGTGCACAGGATTCAGGATCACTGAGGCAAGTGTGACCTTTGACCCCTGTGTCCAGACCTGGTCTCCA  
 GAGTATCTGTCTCTGGTATCTCCTACCTGGGGAACAAGATCAACTTCGCCTTTTCCAAGGACTCGGTGAC  
 ACTTGAGGTCACAGCCCGTGCAGAGCCCTGGGCACCCCTACTAGAAGCTGAGCTGTGGCCATCGTGGCT  
 CACCTTCCCTGACACCAGAAGTCTCCTTTCCCACTCAGCTGGCCGGATACAAAGTTCATCCCCATAG  
 CTGCCAGAAATCTTCCGTGGTTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208359 representing BC023151  
 Red=Cloning site Green=Tags(s)

MLWMPVPPALTLGEEKDRTWFLTVVGSQAQAQDCFAEALQLQTRGVLYTIHADSWGRLWAGCGLDVA  
 GPLALRQALRGSYYLFSLELPQPGTQGFISHGLSPGGLSNGSKEECYWGHI FWDQDIWMFPNILMFHPEA  
 ARAILEYRVRTLGGALKNGQNLGYQGAFAWESASTGLEVCPEDIYGTQEIHINGAVALAFQLYYYYTQD  
 SKLFQEDGGWDVSSVAEFWCSRVEWSSQDKMYHLKGMPPDEYHSGVNNSVYTNVLVQNSLHFAALAK  
 DLGLPIRKQWLEVADRIKIPFDSEQNFHPEFDGYERGEVVKQADVLLGYPVFPPLTPDIRRKNLEYEA  
 VTPPQGPAMTWSMFAVGWMLRDP SRAQVHL SRSFANVTEPFKVTENADGSGAVNFLTGMGGFLQAALF  
 GCTGFRI TEAGVTFDPLCPDLVSRVSVSGISYLG NKNINFAFSKDSVTLEVTARAEPWAPLLEAELWPSLA  
 HLPLTPEGLLSPLSWPDTKVIPIAAQKFFRGS

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** BC023151

**ORF Size:** 1566 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.

**RefSeq:** [BC023151](#)

**RefSeq Size:** 2723 bp

**RefSeq ORF:** 1568 bp

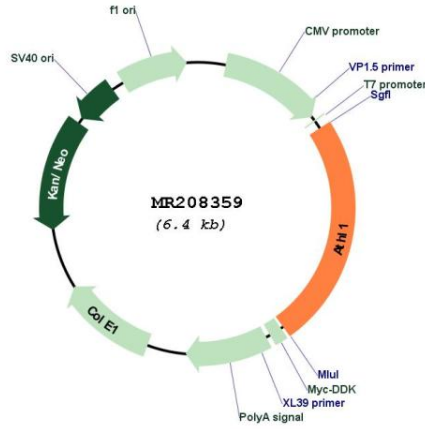
**Locus ID:** 212974

**Cytogenetics:** 7 F5

**MW:** 99.8 kDa

**Gene Summary:** Catalyzes the hydrolysis of glucose from the disaccharide unit linked to hydroxylysine residues of collagen and collagen-like proteins.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR208359