

Product datasheet for **MG208359**

Ath11 (BC023151) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ath11 (BC023151) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ath11
Synonyms:	MGC28193
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208359 representing BC023151
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCTATGGATGCCTGTCCCCCAGCCTTGACCCTTGGGAAGAGGAGAAGGACAGGACCTGGGAGTTTC
 TGA CTGTTGTGGGTAGCAGCCAGGCTGAAGCCAGGACTGCTTTGCTGAGGCCCTACAGCTGCAGACCAG
 GGGTGTCTGTATAACAATCCATGCAGACTCCTGGGGCCGCTATGGGAGGCTGTGGCCTGGATGTGGCT
 GGGCCCTGGCCCTGCGCCAGGCCCTTCGTGGCTCTCTACTACCTGTTCACTGAGCTTCCCCAGCCTG
 GCACTCAAGGATTCATCAGCCATGGGCTTAGCCCCGGAGGCCCTCCAATGGGAGTAAGGAGGAATGCTA
 CTGGGGCCATATCTTCTGGGATCAGGACATCTGGATGTTCCAAATATTTTGTGTTCCACCAGAAGCC
 GCCAGGGCCATCCTAGAATACCGAGTCCGTACGCTGGGAGGAGCCCTGAAGAATGGCCAGAACCTGGGCT
 ACCAGGGAGCCAAGTTTCTGGGAGAGTGCAAGCACTGGCCTGGAGGTCTGCCCTGAGGACATTTATGG
 GACCCAGGAGATCCATATCAATGGGGCTGTGGCCTTGGCCTTTCAGCTGTATTACTATTACTCAGGAC
 TCGAAGCTCTTCAAGAGGATGGTGGCTGGGATGTGGTCAAGTCTGTGGCTGAGTTTTGGGTAGCCGTG
 TAGAATGGAGCTCCAGGACAAGATGTACCACCTGAAAGGAGTCATGCCCCCGATGAGTACCATTACAGG
 AGTCAACAACCTCTGTCTACACCAATGTCCTGGTCCAGAACAGCCTGCACTTCGCTGCTGCTTTGGCCAAA
 GACTTGGGTTTGCTATCCGCAACAGTGGCTGGAGGTGGCTGATAGGATCAAGTACCATTGACTCTG
 AGCAGAACCTCCACCCTGAGTTTGTGGCTATGAACGTGGAGAAGAGGTGAAGCAGGCAGATGTTGTGCT
 CCTGGGGTACCCAGTCCCTTTCCCTGACACCTGACATCCGAAGGAAAACTTGGAGACTTATGAGGCC
 GTGACACCCCCAGGGCCCTGCTATGACCTGGAGCATGTTTGTGTGGGCTGGTGAAGTGTGGAGCCGA
 GAATGCAGACGGGTCTGGTGCAGTGAACCTTCTGACTGGCATGGGGGGCTTCTGCAGGCAGCACTCTTC
 GGTGTCACAGGATTCAGGATCACTGAGGAGGTGTGACCTTTGACCCCTGTGTCCAGACCTGGTCTCCA
 GAGTATCTGTCTCTGGTATCTCCTACCTGGGGAACAAGATCAACTTCGCCTTTTCCAAGGACTCGGTGAC
 ACTTGAGGTCACAGCCCGTGCAGAGCCCTGGGCACCCCTACTAGAAGCTGAGCTGTGGCCATCGCTGGCT
 CACCTTCCCTGACACCAGAAGGTCTCCTTTCCCACTCAGCTGGCCGGATACAAAGGTCATCCCCATAG
 CTGCCAGAAATCTTCCGTGGTTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208359 representing BC023151
 Red=Cloning site Green=Tags(s)

MLWMPVPPALTLGEEKDRTWFLTVVGSQAEAQDCFAEALQLQTRGVLYTIHADSWGRLWAGCGLDVA
 GPLALRQALRGSYYLFSLELPQGTQGFISHGLSPGGLSNGSKEECYWGHI FWDQDIWMFPNILMFHPEA
 ARAILEYRVRTLGGALKNGQNLGYQGAFAWESASTGLEVCPEDIYGTQEIHINGAVALAFQLYYYYTQD
 SKLFQEDGGWDVSSVAEFWCSRVEWSSQDKMYHLKGMPPDEYHSGVNNSVYTNVLVQNSLHFAALAK
 DLGLPIRKQWLEVADRIKIPFDSEQNFHPEFDGYERGEVVKQADVLLGYPVPPPLTPDIRRKNLETYEA
 VTPPQGPAMTWSMFAVGWMLRDP SRAQVHL SRSFANVTEPFKVTENADGSGAVNFLTMGGFLQAALF
 GCTGFRI TEAGVTFDPLCPDLVSRVSVSGISYLGKNKINFAFSKDSVTLEVTARAEPWAPLLEAELWPSLA
 HLPLTPEGLLSPLSWPDTKVIPIAAQKFFRGS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

ACCN:	BC023151
ORF Size:	1568 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:	<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:	BC023151
RefSeq Size:	2723 bp
RefSeq ORF:	1568 bp
Locus ID:	212974
Cytogenetics:	7 F5
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]