

## Product datasheet for **MG204739**

### **Alx4 (BC049786) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Alx4 (BC049786) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Alx4
Synonyms:	Ist
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204739 representing BC049786 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAACGCTGAGACTTGCCTCTTACTGCGAGTCCCCGGCCGCTGCCATGGACGCCTACTACAGCCCGG  
TGTCGCAGAGCCGGGAAGTTTCGTCGCCTTTTAGGGGATCCAGGAGGCGACAAGTTCGGTACAACCTTT  
TCTGTCGGCCGGGGCCAAAGGACAGGGATTCGGGGACGCCAAGAGCCGGGCCGCTACGGCGGGGGCAG  
CAGGACCTGGCGCACCGCTGGAGAGCAGCTCCGGGGCGCGGGATCCTTAACAAGTTCAGCCGCAGC  
CGCCACCCACAGCCGCGCCGCTCCACCCGCGCCCTGCGCATCTCTACTTGCAGAGGGGCGCCTG  
CAAAACGCCCCCGACGGTAGCCTCAAGCTCCAGGAGGGCAGCGCGGCCACAACGCGGCCTTGACGGTC  
CCCTGCTACGCCAAAGAGAGCAACCTGGGTGAGCCAGAGTTGCCTCCTGACTCTGAACCCGTGGGCATGG  
ACAACAGCTACCTCAGTGTGAAGGAGACAGGGGCCAAGGGGCCCAAGGACCGGGCCAGCGCTGAAATACC  
AAGCCCCCTGGAAAAGACCGATTCTGAGAGTAACAAGGCAAGAAGCGGCGGAACCGAACCCCTTCACT  
AGCTACCAGCTGGAAGAGCTGGAGAAAGTCTCCAGAAGACACTACCTGATGTGTATGCACGGGAGC  
AGCTGGCTATGAGGACCGACCTCACCGAGGCCGTGTGCAGGTTTGGTTCAGAACCGGAGGGCCAAAGT  
GCGAAAGAGGGAGCGCTTTGGGCAGATGCAGCAGGTCCGGACCCACTTCTCCACGGCCTATGAGTTGCC  
CTCCTCACCCGGGCTGAGAACTACGCCAGGTATGTCTCCTTGCCATTTTGTCCCTCTGACCCCTAGAC  
CTGAGATGATGCAGGGGAGGAGGAGGACTAGGCTCACAGAAGCCAGGTGTGTGCTTGTGTTGTCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG204739 representing BC049786  
 Red=Cloning site Green=Tags(s)

MNAETCVSYCESPAAAMDAYYSPVVSQREGSSPFRGFPGGDKFGTTFLSAGAKGQGFDAKSRARYGAGQ  
 QDLAAPLESSSGARGSFNKFQPPPTQPPPAPPAPPAHLYLQRGACKTPPDGSLKLQEGSGGHNAALQV  
 PCYAKESNLGPELPPDSEPVGMDNSYLSVKETGAKGPQDRASAEIPSLEKTDSESNKGKKRRNRRTTFT  
 SYQLEELEKVFQKTHYPDVYAREQLAMRTDLTEARVQVWFQNRRAKWRKRERFGQMQQVTRHFSTAYELP  
 LLTRAENYAQVCLLAHFVPSDRPEMMQGRRRRLTEARCVLVCP

TRTRPLE - GFP Tag - V

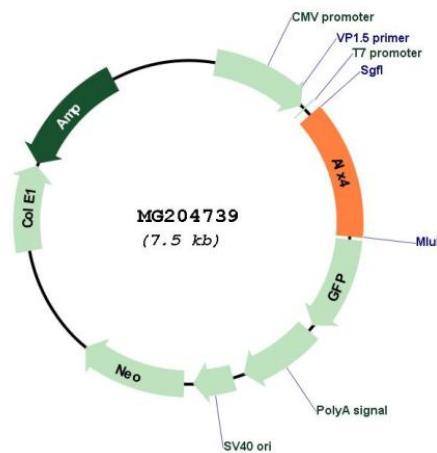
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** BC049786

**ORF Size:** 977 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC049786</a>
<b>RefSeq Size:</b>	7133 bp
<b>RefSeq ORF:</b>	977 bp
<b>Locus ID:</b>	11695
<b>Cytogenetics:</b>	2 51.62 cM
<b>Gene Summary:</b>	Transcription factor involved in skull and limb development.[UniProtKB/Swiss-Prot Function]