

## Product datasheet for **MR204739**

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

#### Product data:

Product Type: Expression Plasmids  
Product Name: Alx4 (BC049786) Mouse Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Alx4  
Synonyms: Ist  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >MR204739 representing BC049786  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAACGCTGAGACTTGGCTCTCTTACTGCGAGTCCCCGGCCGCTGCCATGGACGCCTACTACAGCCGG  
TGTCGCAGAGCCGGAAGGTTTCGTCGCCTTTTAGGGATTCCCAGGAGGCGACAAGTTCGGTACAACCTTT  
TCTGTCGGCCGGGCAAAGGACAGGGATTCGGGGACCCAAGAGCCGGGCCGCTACGGCGCGGGGCGAG  
CAGGACCTGGCGGCACCCTGGAGAGCAGCTCCGGGGCGCGGGATCCTTTAACAAGTTCAGCCGCAGC  
CGCCACCCACAGCCGCGCCGCTCCACCCGCGCCGCTGCGCATCTCTACTTGCAGAGGGGCGCCTG  
CAAAACGCCCCGGACGGTAGCCTCAAGCTCCAGGAGGGCAGCGCGGCCACAACGCGGCCTTGCAGGTC  
CCCTGCTACGCCAAAGAGAGCAACCTGGGTGAGCCAGAGTTGCCTCCTGACTCTGAACCCGTGGGCATGG  
ACAACAGCTACCTCAGTGTGAAGGAGACAGGGGCAAGGGGCCCCAGGACCGGGCCAGCGCTGAAATACC  
AAGCCCCCTGAAAAGACCGATTCTGAGAGTAACAAAGGAAGAAGCGGCGGAACCGAACCACTTCACT  
AGCTACCAGCTGGAAGAGCTGGAGAAAGTCTTCCAGAAGACACACTACCCTGATGTGTATGCACGGGAGC  
AGCTGGCTATGAGGACCGACCTCACCGAGGCCGTTGTCAGGTTTGGTTCCAGAACCGGAGGGCCAAAGT  
GCGAAAGAGGGAGCGCTTTGGGCAGATGCAGCAGGTCCGGACCCACTTCCACGGCCTATGAGTTGCC  
CTCCTCACCCGGGCTGAGAACTACGCCAGGTATGTCTCCTTGCCATTTTGTCCCTCTGACCCTAGAC  
CTGAGATGATGCAGGGGAGGAGGACTAGGCTCACAGAAGCCAGGTGTGTGCTTGTGTTGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

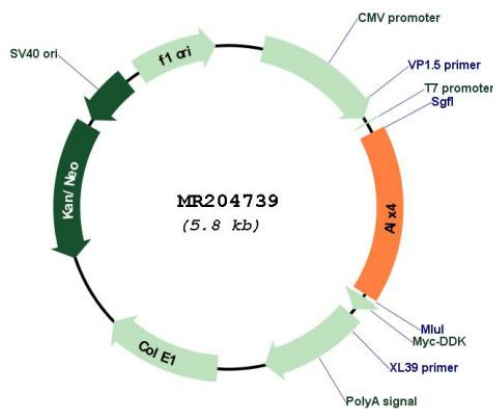


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**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** BC049786

**ORF Size:** 975 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](#)

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<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>MW:</b>	261.5 kDa
<b>Gene Summary:</b>	Transcription factor involved in skull and limb development.[UniProtKB/Swiss-Prot Function]