

Product datasheet for **RR202871**

Alx4 (NM_001106553) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Alx4 (NM_001106553) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Alx4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202871 representing NM_001106553
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGCTGAGACTTGCCTCTTACTGCGAGTCGCGGCCACTGCCATGGACGCCTACTACAGCCGG
TGTCGAGAGCCGGGAAGTTTCGTGCCTTTTAGGGGATTCAGGAGGCGACAAGTTCGGTACAACCTT
TCTGTCGCGCCGCGCAAAGGACAGGGATTCGGGACGCCAAGGGCCGGCCCGCTACGGCCGGGGCAG
CAGGACCTGGCGGCACCGCTGGAAAGCAACGCTGGGGCGCGGGGATCCTTAACAAGTTCAGCCGAGC
CGCCACCCCGCAGCCGCGCCGCTCCGCCCGCGCCGCTGCGCATCTACTTGCAGAGGGGCGCCTG
CAAAACGCCCCCGGACGGCAGCCTCAAGCTCCAGGAGGGCAGCGCGGCCACAACCGGCCTTGCAGGT
CCCTGCTACGCCAAAGAGAGCAACCTGGGTGAGCCAGAGCTGCCCTGACTCTGAGCCCGTGGGCATGG
ACAACAGTACCTCAGTGTGAAGGAGACAGGGCCAAGGGGCCCAAGACCGGGCTGGCGCTGAAATACC
AAGCCCCCTGGAAAAACCGACTCTGAGAGTAGCAAAGGCAAGAAGCGGGGGAACAGAACCACCTTCAG
AGCTACCAGCTGGAGGAGCTGGAGAAAGTCTCCAGAAGACACTACCCTGATGTGTATGCCCGGGAGC
AGCTGGCTATGAGGACCGACCTCACCGAGGCCCGCTGCAGGTTTGGTTCCAGAACCGGAGGGCCAAGT
GCGAAAGAGGGAGCGCTTTGGGCAGATGCAGCAGGTCCGAACCCACTTCTCCACGGCCTATGAGTTGCC
CTCCTCACCCGAGCCGAGAACTATGCCAGATTGAAACCGTCTGGATTGGCAACAATGGGGCTGCCT
CGCCAGTGCCAGCCTGTGTGGTCCCCTGTGACCCAGTGCCTGCCTGCATGTCCCCTCACGCTCACCTCC
TGGCTCTGGAGCCAGCAGCGTCTCCGACTTCTTGAAGTGTCTTGGAGCTGGCAGTCACGTGGGCCAGACA
CACATGGGCAGCCTGTTTGGAGCAGCTGGCATCAGTCCGGGCTCAACGGCTACGAGATGAATGGCGAGC
CAGACCGCAAGACCTCGAGTATTGCTGCCCTGCGCATGAAGGCCAAGGAGCACAGTGCAGCCATCTTTG
GCCACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR202871 representing NM_001106553
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MNAETCVSYCESPATAMDAYYSPVQSREGSSPFRGFPGGDKFGTTFLSAAAKGQGFDAKGRARYGAGQ
 QDLAAPLESNAGARGSFNKFQPPTPQPPPAPPAPPAHLYLQRGACKTPPDGSLKLQEGSGGHNAALQV
 PCYAKESNLGPELPPDSEPVGMDNSYLSVKETGAKGPQDRAGAEIPSLEKTDSESSKGGKRRNRRTFTT
 SYQLEELEKVFQKTHYPDYYAREQLAMRTDLTEARVQVWFQNNRAKWRKRERFGQMQQVTRTHFSTAYELP
 LLTRAENYAQIQNPSWIGNGAASPVACVVPACMSPHAHPPGSGASSVSDFLSVSGAGSHVGT
 HMGSLFGAAGISPLNGYEMNGEPDRKTSIAALRMKAKEHSAAISWAT

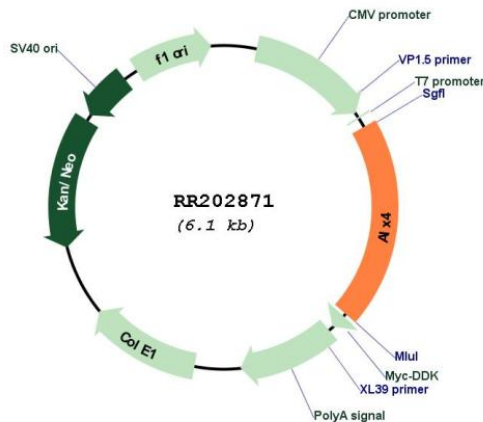
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106553

ORF Size:	1197 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:	NM_001106553.1 , NP_001100023.1
RefSeq Size:	1746 bp
RefSeq ORF:	1200 bp
Locus ID:	296511
Cytogenetics:	3q31
MW:	42.7 kDa