

Product datasheet for **RR205576**

Alx3 (NM_001007012) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Alx3 (NM_001007012) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Alx3
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR205576 representing NM_001007012
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACCCCGAGCGCTGCGCGCCCTTCGCGGTGGGGCCGGCAGCGGGTCTTACGCGGCAGCAAGGGACG
 AGGCTCCGGGCCCCAGGGGACTCCCGATGCTGCTCCTCACCTGCGCCCCGCGCCACCCCGCGTCCGCG
 CCTGAGCCGCTTCCCGCCTGCGGGCCCTGGAACCCTACCTCCAGAGCCCGCAAGCCGCCGCTAAG
 TACCTGCAGGACCTCGGGCCCGCCGGTGTCAACGGCGGCCACTTCTACGAGGGCTCCTCGGAAGCTG
 AGGAGAAGGCCTCAAAGCTGTAGCTTCCCCAGCTGCCAGTGGATTGCCGAGGGGTCTAGAGACGG
 ACCCTCCAATGTGCAAGGTTCCCGGGCCCTTGCTGGCCAGCCTGAGTGTCCCTTTCCCGGGACTC
 CCTGACTCCATGGAGTTGGCCAAGAGCAAGAGCAAGAAGCGCCGGAACCGACAACCTTCAGCACATTCC
 AGCTGGAAGAACTGGAGAAAGTCTTTCAGAAAACCCACTACCCTGATGTGTACGCTCGGGAGCAGCTGGC
 CTTACGAACGGACCTGACTGAGGCCAGGGTACAGGTCTGGTTCAGAACCGAAGACCAAGTGGCGGAAG
 CGTGAGCGTTATGGGAAGATACAGGAGGGGCGGAACCCCTTACTACTGCCTATGACATCTCTGTGCTGC
 CCAGAACTGACAGCCATCCTCAGCTGCAGAACTCCCTGTGGTCCAGTCCAGGATCTGGGAGCCCAGGAGG
 GCCCTGTCTCATGCTCCAGAGGGCATCCCTCTCCATGTATGTCCCATACTCCACTCCCACGGAAT
 GTGGCTGGCTTATGGGAGTACCAGCCTCCCTGCAGCCACCCTGGCATCTACTCCATCCATGGCTTTC
 CTCTGCCCTGGGAGGGCACAGCTTTGAGCCTTCTCCAGATGGCGACTACAAGTCCCAAGCCTCGTCTC
 ACTCAGGATGAAGCCAAAGAGCCCCAGCCTGCTGAACTGGACCACG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR205576 representing NM_001007012
 Red=Cloning site Green=Tags(s)

MDPERCAPFAVGPAAAGPYAAARDEAPGPQGTDAAPHLRPAPPRGPRLSRFPACGPLEPYLPEPAKPPAK
 YLQDLGPGPVLNGGHFYEGSSEAEKASKAASFQPLPDCRGGPRDGSNVQSGPGCLASL SVPLSPGL
 PDSMELAKSKSKRRNRRTTFSTFQLEELKVFQKTHYPDVYAREQLALRTDL TEARVQVWFQNRRAKWRK
 RERYGKIQEGRNPF TTA YDI SVLPRTD SHPQLQNSLWSSPGSGSPGGPCLMPPEGIPSPCMSPYSHSHGN
 VAGFMGVPASPAAHPGIYSIHGFPPALGGHSFEPSPDGDYKSPSLVSLRMPKPEPPSLLNWT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001007012

ORF Size: 1029 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: NM_001007012.1, NP_001007013.1

RefSeq Size: 1856 bp

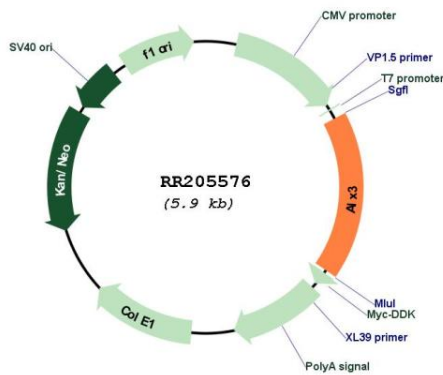
RefSeq ORF: 1032 bp

Locus ID: 365900

Cytogenetics: 2q34

MW: 37 kDa

Product images:



Circular map for RR205576