

Product datasheet for RC217304

ALX3 (NM_006492) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ALX3 (NM_006492) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ALX3
Synonyms:	FND; FND1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC217304 representing NM_006492 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGACCCCGAGCACTGCGCGCCTTTCCGCGTGGGGCTGCACCCGGCCCTATGTGGCCTCGGGGACG
 AGCCTCCGGGCCCGCAGGGAACCCCGCCGCTGCGCCTCACCTGCACCCCGCGCCCGCCGCGGCCGCG
 GCTGACCCGCTTTCCGGCCTGCGGGCCCTGGAGCCCTACCTCCAGAGCCGCAAGCCGCCGCCAAG
 TACCTGCAGGACCTCGGGCCCGCCCGGCCCTCAACGGCGGCCACTTCTACGAGGGCCCCGCGGAAGCTG
 AGGAGAAGACCTCAAAGCTGCCAGCTTCCCCAGCTGCCCTTGGACTGCCGAGGGGGCCCCAGAGACGG
 GCCCTCTAATTGCAAGGCTCCCGAGGCCCTGCCTGGCCAGCCTGCATCTTCTCTTTCCCGGGACTC
 CCTGACTCCATGGAGTTGGCCAAGAACAAGAGCAAGAAGCGTCGTAACCGCACGACCTTCAGCACATTCC
 AGCTGGAGGAGCTGGAGAAGGTCTTCCAGAAAACCCACTATCCTGATGTGTATGCCCGGGAGCAGCTGGC
 CCTGCGCACAGACCTGACTGAGGCCCGGTACAGGTCTGGTTCCAGAACCAGAGCCAAGTGGCGGAAG
 CGCGAGCGTTATGGGAAGATCCAGGAGGGGCGGAACCCCTTACGGCTGCCTATGACATCTCTGTGCTGC
 CCCGTAAGTACAGCCACCTCAGCTGCAGAACTCCCTGTGGGCCAGTCCAGGATCTGGGAGCCCTGGAGG
 CCCCTGCCTTGTGTCTCCAGAGGGCATCCCCTCCCCATGCATGTCTCCATATCCACCCCATGGGAGT
 GTGGCTGGCTTATGGGGGTGCCAGCCCTTCTGCGGCTCACCCTGGCATCTACTCCATCCATGGCTTTC
 CCCCACCTGGGGGGCCACAGCTTTGAGCCTTCTCAGATGGTGACTATAAGTCTCCAAGCCTCGTCTC
 GCTCAGGGTAAAGCCCAAGGAGCCACCCGGCCTTCTGAAGTGGACCACG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


[View online »](#)

Protein Sequence: >RC217304 representing NM_006492
 Red=Cloning site Green=Tags(s)

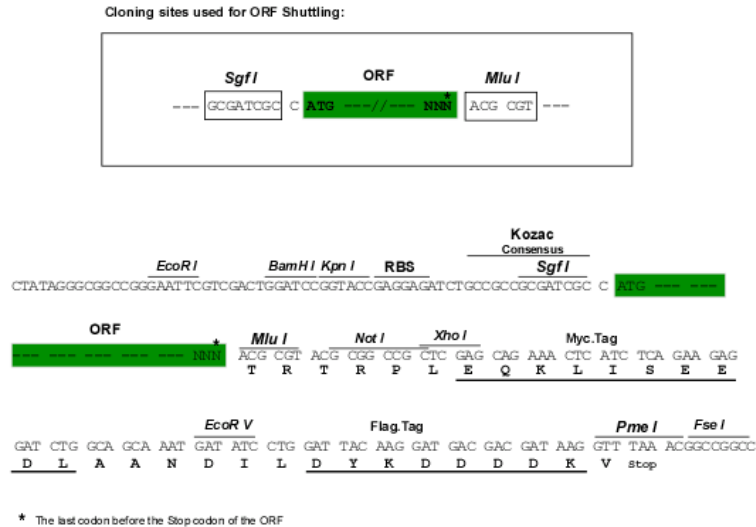
MDPEHCAPFRVGPAGPYVASGDEPPGPQGTAAAPHLHPAPRGPRLTRFPACGPLEPYLPEPAKPPAK
 YLQDLGPGPALNGGHFYEGPAEAEKTSKAASFQQLPLDCRGGPRDGSNLQSGPGCLASLHPLSPGL
 PDSMELAKNKSKKRRNRRTTFSTFQLEELKVFQKTHYPDVYAREQLALRTDLTEARVQVWFQNRRAKWRK
 RERYGKIQEGRNPFTAAYDISVLPRTDHPQLQNSLWASPGSGSPGGPCLVSPEGIPSPCMSPYSHPHGS
 VAGFMGVPAPSAHPGIYSIHGFPTLGGHSFEPSSDGDYKSPSLVSLRVKPEPPGLLNWTT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8018_f12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006492

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_006492.3

RefSeq Size: 1800 bp

RefSeq ORF: 1032 bp

Locus ID: 257

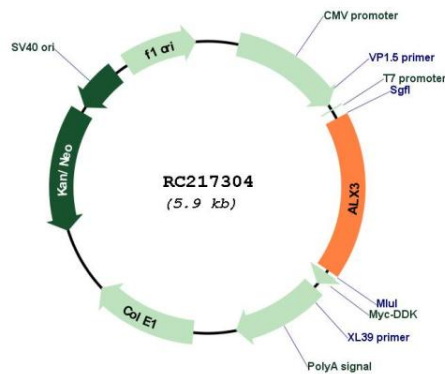
UniProt ID: O95076

Cytogenetics: 1p13.3

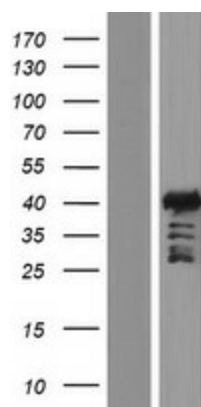
MW: 36.8 kDa

Gene Summary: This gene encodes a nuclear protein with a homeobox DNA-binding domain that functions as a transcriptional regulator involved in cell-type differentiation and development. Preferential methylation of this gene's promoter is associated with advanced-stage neuroblastoma tumors. [provided by RefSeq, Jul 2008]

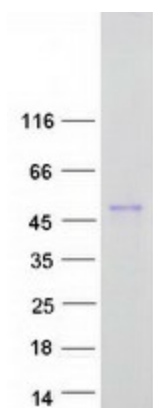
Product images:



Circular map for RC217304



Western blot validation of overexpression lysate (Cat# [LY416611]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217304 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ALX3 protein (Cat# [TP317304]). The protein was produced from HEK293T cells transfected with ALX3 cDNA clone (Cat# RC217304) using MegaTran 2.0 (Cat# [TT210002]).