

Product datasheet for **RC224912**

ARGFX (NM_001012659) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ARGFX
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PSI00001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC224912 representing NM_001012659
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGAACAGAATGGCCCCAGAGAATCCCCAGCCAGACCCTTTCATCAATAGGAATTATTTCAACATGA
AGGTGATACCACCACAGGATCCAGCTAGTCCCAGTTTCACTCTGTTATCCAAGCTGGAGTGCAGTGGCAC
GGTCTCGGCTTACTGCAGCCTCAACCTCCCAGGTTCAACTGATCCTCCACCTCAGCCTCCCGAGTAGCT
GCGACTACAGCAATACGGAGAAGGCATAAAGAACGTACTTCTTTCACCCACCAACAGTATGAGGAGCTAG
AAGCTCTGTTTAGCCAGACCATGTTCCAGATAGAAATCTTCAGGAGAACTAGCTTTGAGACTCGACCT
ACCGGAGTCAACAGTAAAGGTTTGGTTCAGGAACCGCGATTCAAATTGAAGAAGCAGCAGCAGCAGCAA
TCAGCAAAGCAACGAAACCAGATCCTTCCATCCAAGAAGAATGTGCCACCTCCCCCAGAACATCCCCCA
GTCCTTATGCTTTTTCTCCTGTGATTTAGATTCTACAGCTCCCTTCCATCTCAGCCCTTAGACCCTTC
CAATTGGGCATGGAATCTACCTTCACTGAGAGTTCTACCAAGTACTTCCAAATGCAAGATACTCAGTGG
GAGAGGCTGGTGGCCTCGGTTCTGCTTTGACTCTGATGCCTATGACATATTTCAAATCATAGAACTGT
ACAATCTTCTGATGAGAATGAGATATCCAGCTCTTCTTCCACTGTCTGTATCAGTATCTCTCACCAC
AAAGTACCAGGTAGGAGACAGGGTTCTCTCAGCATCTTTGCTGGTCCAGCTGTAGGCATATCTCCT
GCACAAACCTGGCCCAATATGACAAGCCAAGCCTTTGAAGCCTACAGTCTAACAGATAGCCTGGAATTCC
AGAAAACCTCCAATATGGTAGACTTGGGATTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC224912 representing NM_001012659

Red=Cloning site Green=Tags(s)

MRNRMAPENPQDPFQINRYSNMKVIPPQDPASPSFTLLSKLECSGTVSAYCSLNLPGSTDPTTSASRVA
ATTAIRRRHKERTSFTHQYEELEALFSQTMFPDRNLQEKALRLDLPESTVKVWFRNRRFKLKKQQQQ
SAKQRNQILPSKKNVPTSPRTSPSPYAFSPVISDFYSSLPSQPLDPSNAWNSTFTESSTSDFMQDTQW
ERLVASVPALYSDAYDIFIIELYNLPDENEISSSFHCLYQYLSPTKYQVGGQSSLSIFAGPAVGLSP
AQTPNMNMQAFEAYSLTDSLEFQKTSNMVDLGFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8044_h09.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001012659

ORF Size:

945 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:

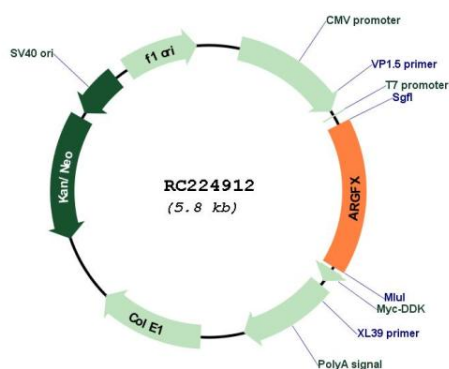
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:

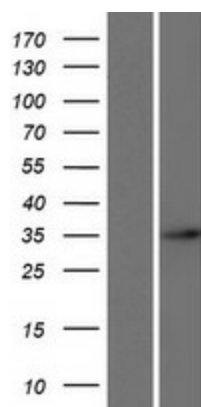
The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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:	<u>NM_001012659.2</u>
RefSeq Size:	5065 bp
RefSeq ORF:	948 bp
Locus ID:	503582
UniProt ID:	<u>A6NJG6</u>
Cytogenetics:	3q13.33
Protein Families:	Transcription Factors
MW:	35.4 kDa
Gene Summary:	Homeobox genes encode DNA-binding proteins, many of which are thought to be involved in early embryonic development. Homeobox genes encode a DNA-binding domain of 60 to 63 amino acids referred to as the homeodomain. This gene is a member of the ARGFX homeobox gene family. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC224912



Western blot validation of overexpression lysate (Cat# [LY422893]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224912 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).