

Product datasheet for **RC221942**

CUX1 (NM_181500) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CUX1 (NM_181500) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CUX1
Synonyms:	CASP; CDP; CDP/Cut; CDP1; Clox; COY1; CUTL1; CUX; Cux/CDP; GDDI; GOLIM6; Nbla10317; p75; p100; p110; p200
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC221942 representing NM_181500
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGGCGGCAATGTGGGATCGATGTTTCAATATTGGAAGCGCTTTGATTTACAGCAGCTGCAGAGAGAAC
TCGATGCCACCGCAACGGTATTGGCGAACCGGCAGGATGAAAGTGAGCAGTCCAGAAAGCGCTTATCGA
ACAGAGCCGGGAGTTCAAGAAGAACAACCTCCAGAGGATTTGCGCAAGCAGGTAGCGCCGCTGCTGAAGAGT
TTCCAAGGAGAGATTGATGCACTGAGTAAAAGAAGCAAGGAAGCTGAAGCAGCTTTCTTGAATGTCTACA
AAAGATTGATTGACGTCCAGATCCCGTACCAGCTTTGGATCTCGGACAGCAACTCCAGCTCAAAGTGCA
GCGCTGCACGATATTGAAACAGAGAACCAGAACTTAGGGAACTCTGGAAGAATACAACAAGGAATTT
GCTGAAGTGAAAAATCAAGAGGTTACGATAAAAGCACTTAAAGAGAAAAATCCGAGAATATGAACAGACAC
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GAGAAAGCTGCAGGAGACACAGATGTCCACCACCTCAAAGCTGGAGGAAGCTGAGCATAAGTTTCAGAGC
CTACAAAACAGCCCTGGAAAAAATCGAACAGAATTATTTGACCTGAAAACCAAATACGATGAAGAACTA
CTGCAAAGGCCGACGAGATTGAAATGATCATGACGGACCTTGAAGGGCAAAACCAGAGGGCAGAGGTGGC
TCAGAGAGAGGGCAGACCTTAAGGGAACAGCTCTCATCGGCCAATCACTCCCTCCAGCTGGCCTCACAG
ATCCAGAAGGCACCAGACGTGGCCATAGAGGTGCTGACCCGCTCCAGCCTAGAAGTTGAGTTGGCCGCCA
AGGAGCGGGAGATCGCACAGCTGGTGGAGGACGTGCAGAGACTCCAGGCCAGCCTCACCAGCTGCGGGGA
GAATTCGCCAGCCAGATCTCACAGCTTGAGCAGCAGCTGAGCGCCAAAAACAGCACACTCAAACAAGT
GAAGAAAACTCAAAGGCCAGGCTGACTATGAAGAGGTGAAGAAAGAGCTGAACATTCTGAAGTCCATGG
AGTTTGCACCGTCCGAGGGCGCTGGGACACAGGATGCGGCCAAGCCCTGGAGGTGCTGTTGCTGGAGAA
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GAGCTGCAAGTCCGTATCACTGAGGCTGTGGCCACAGCCACTGAGCAGAGAGAGCTGATCGCCCGCTGG
AGCAGGACCTGAGCATCATTCAGTCCATCCAGCGGCCGATGCCGAGGTGCCGCTGAGCACCGCTGGA
GAAGATCCAGAGCCATCAAAGAGGCCACTGCCCTATTCTACGGACCTGCAGCACCAGCCAGCGGTGCC
CTCCAGAGGGCCAGGTGGATTCAGTCTTCCATCATCTCCAGCCAGAGGGAGCGCTTCCGTGCCCGGA
ACCAGGAGCTTGAGGCCGAGAACCCTGGCCAGCACACCCTCCAGGCCCTGCAGAGTGAAGTGGACAG
CCTGCGCGCCGACAACATCAAGCTCTTTGAGAAGATCAAGTTCTGCAGAGCTACCCTGGCCGGGGCAGC
GGCAGTGTGACACGGAGCTGCGGTACTCGTCCCAGTACGAGGAGCGCCTGGACCCCTTCTCCTCTTCA
GCAAGCGGGAGCGCAGAGGAAGTACCTGAGCTTGAGTCCCTGGGACAAGGCCACCCTCAGCATGGGGCG
TCTGGTTCTCTCAACAAGATGGCGCGCACCATCGGCTTCTTCTACACACTGTTCTGCACTGCCTGGTC
TTCTGTTGCTCTACAAGCTGGCATGGAGCGAGAGCATGGAGAGGGACTGTGCCACCTTCTGCGCCAAGA
AGTTGCTGACCACCTGCACAAGTCCACGAGAATGACAACGGGGCTGCGGCTGGTACTGTGGCAG

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC221942 representing NM_181500
Red=Cloning site Green=Tags(s)

MAANVGSMFYWKRFDLQQLQRELDATATVLANRQDESEQSRKRLIEQSREFKKNTPEDLRKQVAPLLKS
 FQGEIDALSKRSKEAAEAFNLVYKRLIDVPDPVPALDLGQQLQLKVQRLHDIETENQKLRETL EEYNKEF
 AEVKNQEVTIKALKEKIREYEQTLKNQAETIALEKEQKLQNDFAEKERKLQETQMSTTSKLEEAHKVQS
 LQTALEKTRTELFDLTKTYDEETAKADEIEMIMTDLERANQRAEVAQREAE TLREQLSSANHSLQLASQ
 IQKAPDVAIEVLTRSSLEVELAAKEREIAQLVEDVQRLQASLTKLRENSASQISQLEQQLSAKNSTLKQL
 EEKLGQADYEEVKELNILKSMFAPSEGAGTQDAAKPLEVLLLEKNRSLQSENAALRISNSDLSGRCA
 ELQVRITEAVATATEQRELIARLEQDLSIIQSIQRPDAEGAAEHRLEKIPEPIKEATALFYGPAAPASGA
 LPEGQVDSLLSIISSQRERFRARNQELEAENRLAQHTLQALQSELDSLRADNIKLFKIKFLQSYPRGS
 GSDDELRYSSQYEERLDPFSSF SKRERQRKYLSPWDKATLSMGRVLVSNKMARTIGFFYTLFLHCLV
 FLVLYKLAWSES MERDCATFCAKKFADHLHKFHENDNGAAAGDLWQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8072_d11.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

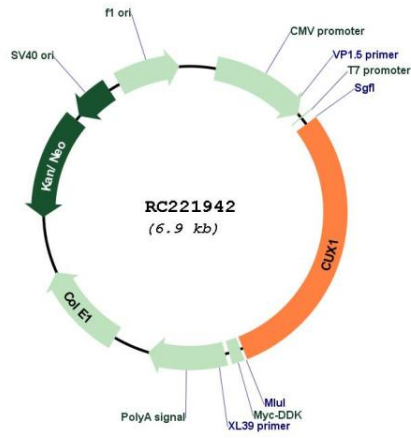


ACCN: NM_181500

ORF Size: 2028 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_181500.2
RefSeq Size:	2925 bp
RefSeq ORF:	2031 bp
Locus ID:	1523
UniProt ID:	Q13948
Cytogenetics:	7q22.1
Protein Families:	Transcription Factors, Transmembrane
MW:	77 kDa
Gene Summary:	The protein encoded by this gene is a member of the homeodomain family of DNA binding proteins. It may regulate gene expression, morphogenesis, and differentiation and it may also play a role in the cell cycle progression. Several alternatively spliced transcript variants encoding different isoforms have been identified.[provided by RefSeq, Feb 2011]

Product images:



Circular map for RC221942