

Product datasheet for **RC233059**

CUX1 (NM_001202544) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CUX1 (NM_001202544) 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
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RC233059 representing NM_001202544
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGCCAATGTGGGATCGATGTTTCAATATTGGAAGCGCTTTGATTTACAGCAGCTGCAGAGAGAAC
TCGATGCCACCGCAACGGTATTGGCGAACCGGCAGGATGAAAGTGAGCAGTCCAGAAAGCGCTTATCGA
ACAGAGCCGGGAGTTCAAGAAGAACAACCTCCAGAGATTGATGCACTGAGTAAAAGAAGCAAGGAAGCTGAA
GCAGCTTTCTGAATGTCTACAAAAGATTGATTGACGTCCAGATCCCGTACCAGCTTTGGATCTCGGAC
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GGAAGAATACAACAAGGAATTTGCTGAAGTAAAAATCAAGAGGTTACGATAAAAGCACTTAAAGAGAAA
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CAAACCAGAGGGCAGAGGTGGCTCAGAGAGAGGGCGGAGACCTTAAAGGAAACAGCTCTCATCGGCCAATCA
CTCCCTCCAGCTGGCCTCACAGATCCAGAAGGCACCAGACGTGGAGCAGGCCATAGAGGTGCTGACCCGC
TCCAGCTTAGAAGTTGAGTTGGCCGCCAAGGAGCGGGAGATCGCACAGCTGGTGGAGGACGTGCAGAGAC
TCCAGGCCAGCCTCACCAAGCTGCGGGGAGAATTCGGCCAGCCAGATCTCACAGCTTGAGCAGCAGCTGAG
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CAACAGCGACCTGAGCGGACGCTGTGCGGAGCTGCAAGTCCGTATCACTGAGGCTGTGGCCACAGCCACT
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CCTGCAGAGCTACCCTGGCCGGGCAGCGCAGTATGACACGGAGCTGCGGTACTGTCACAGTACGAG
GAGCGCTGGACCCTTCTCCTCTTCCAGCAAGCGGGAGCGGCAGAGGAAGTACCTGAGCTTGAGTCCCT
GGGACAAGGCCACCCTCAGCATGGGGCGTCTGGTTCTCTCAACAAGATGGCGCGCACCATCGGCTTCTT
CTACACACTGTTCTGCACTGCCTGGTCTTCTGGTGCTCTACAAGCTGGCATGGAGCGAGAGCATGGAG
AGGGACTGTGCCACCTTCTGCGCAAGAAGTTCGCTGACCACCTGCACAAGTTCCACGAGAATGACAACG
GGGCTGCGGCTGGTGACTTGTGGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233059 representing NM_001202544
 Red=Cloning site Green=Tags(s)

MAANVGSMFYWKRFDLQQLQRELDATATVLANRQDESEQSRKRLIEQSREFKNTPEIDALSKRSKEAE
 AAFLNVYKRLIDVPDPVPALDLGQQLQLKVQRLHDIETENQKLRETL EYNKEFAEVKNQEVTIKALKEK
 IREYEQTLKNQAETIALEKEQKLQNDFAEKERKLQETQMSTTSKLEEAHKVQSLQTALEKTRTELFDLK
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 SSLEVELAAKEREIAQLVEDVQRLQASLTKLRENSASQISQLEQQLSAKNSTLQLEEKLGQADYEEVK
 KELNILKSMEFAPSEGAGTQDAAKPLEVLLLEKNRSLQSENAALRISNSDLSGRCAELQVRITEAVATAT
 EQRELIARLEQDLSIIQSIQRPDAEGAAHRLEKIPEPIKEATALFYGPAAPASGALPEGQVDSLLSIIIS
 SQRERFRARNQLEAENRLAQHTLQALQSELSLRADNIKLFKIKFLQSYPRGSGSDDTELRYSSQYE
 ERLDPFSSF SKRERQRKYL SLSPWDKATLSMGRVLVLSNMARTIGFFYTLFLHCLVFLVLYKLWSESME
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

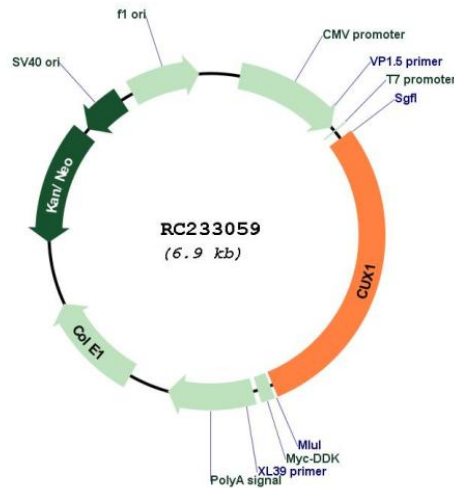
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001202544

ORF Size: 1986 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_001202544.3](#)

RefSeq Size: 2991 bp

RefSeq ORF:	1989 bp
Locus ID:	1523
UniProt ID:	Q13948
Cytogenetics:	7q22.1
Protein Families:	Transcription Factors, Transmembrane
MW:	76.1 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]