

Product datasheet for **RC233030**

CUX1 (NM_001202545) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CUX1 (NM_001202545) 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:

>RC233030 representing NM_001202545
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCCAATGTGGGATCGATGTTTCAATATTGGAAGCGCTTTGATTTACAGCAGCTGCAGAGAGAAC
TCGATGCCACCGCAACGGTATTGGCGAACCGGCAGGATGAAAGTGAGCAGTCCAGAAAGCGCTTATCGA
ACAGAGCCGGGAGTTCAAGAAGAACAACCTCCAGAGGATTTGCGCAAGCAGGTAGCGCCGCTGCTGAAGAGT
TTCCAAGGAGAGATTGATGCACTGAGTAAAAGAAGCAAGGAAGCTGAAGCAGCTTTCTTGAATGTCTACA
AAAGATTGATTGACGTCCAGAGGTTACGATAAAAGCACTTAAAGAGAAAATCCGAGAATATGAACAGAC
ACTGAAGAACCAAGCCGAAACCATAGCTCTTGAGAAGGAACAGAAAGTTACAGAATGACTTTGCAGAAAAG
GAGAGAAAAGCTGCAGGAGACACAGATGTCCACCACCTCAAAGCTGGAGGAAGCTGAGCATAAGGTTCAGA
GCCTACAAACAGCCCTGGAAAAACTCGAACAGAATTATTTGACCTGAAAACCAAATACGATGAAGAAAC
TACTGCAAAGGCCGACGAGATTGAAATGATCATGACGGACCTTGAAGGGCAAACAGAGGGCAGAGGTG
GCTCAGAGAGAGGCGGAGACCTTAAAGGGAACAGCTCTCATCGGCCAATCACTCCCTCCAGCTGGCCCTCAC
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GGCCGCCAAGGAGCGGGAGATCGCACAGCTGGTGGAGGACGTGCAGAGACTCCAGGCCAGCTCACCAAG
CTGCGGGAGAATTCGGCCAGCCAGATCTCACAGCTTGGAGCAGCAGCTGAGCGCCAAAAACAGCACACTCA
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GCTGTGCGGAGCTGCAAGTCCGTATCACTGAGGCTGTGGCCACAGCCACTGAGCAGAGAGAGCTGATCGC
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CGCTGGAGAAGATCCCAGAGCCCATCAAAGAGGCCACTGCCCTATTCTACGGACCTGCAGCACCAGCCA
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CTCCTTACGAAGCGGGAGCGGCAGAGGAAGTACCTGAGCTTGTAGTCCCTGGGACAAGGCCACCCTCAGC
ATGGGGCGTCTGTTTCTCTCAACAAGATGGCGCGCACCATCGGCTTCTTCTACACACTGTTCTCTGCACT
GCCTGGTCTTCTGGTGTCTACAAGCTGGCATGGAGCGAGAGCATGGAGAGGGACTGTGCCACCTTCTG
CGCCAAGAAGTTCGCTGACCACCTGCACAAGTTCACGAGAATGACAACGGGGCTGCGGCTGGTACTTG
TGGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233030 representing NM_001202545
 Red=Cloning site Green=Tags(s)

MAANVGSMFQYWKRFDLQQLQRELDATATVLANRQDESEQSRKRLIEQSREFKKNTPEDLRKQVAPLLKS
 FQGEIDALSKRSKEAAEAFLNIVYKRLIDVPEVTIKALKEKIREYEQTLKNQAETIALEKEQKLQNDFAEK
 ERKLQETQMSTTSKLEEAHKVQSLQTALEKTRTELFDLKTKYDEETTAKADEIEMIMDLERANQRAEV
 AQREAETLREQLSSANHSLQLASQIQKAPDVEQAIEVL TRSSLEVELAAKEREIAQLVEDVQRLQASLTK
 LRENSASQISQLEQQLSAKNSTLKQLEEKLGQADYEEVKELNILKSMEFAPSEGAGTQDAAKPLEVLL
 LEKNRSLQSENAALRISNSDLSGRCAELQVRITAVATATEQRELIARLEQDLSIIQSIQRPDAEGAAEH
 RLEKIPEPIKEATALFYGPAAPASGALPEGQVDSLIISSQRERFRARNQELEAENRLAQHTLQALQSE
 LDSLRADNIKLFEKIKFLQSYPRGSGSDDTELRYSSQYEERLDPFSSF SKRERQRKYLSPWDKATLS
 MGRLVLSNKMARTIGFFYTLFLHCLVFLVLYKLAWSESMERDCATFCAKKFADHLHKFHENDNGAAAGDL
 WQ

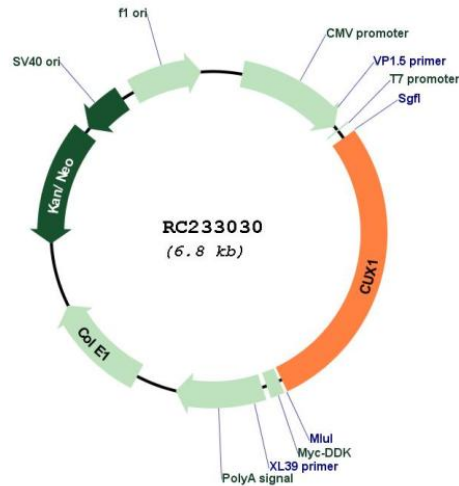
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001202545

ORF Size: 1896 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_001202545.3](#)

RefSeq Size:	2901 bp
RefSeq ORF:	1899 bp
Locus ID:	1523
UniProt ID:	Q13948
Cytogenetics:	7q22.1
Protein Families:	Transcription Factors, Transmembrane
MW:	72.5 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]