

Product datasheet for **RG223826**

CUX1 (NM_001913) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CUX1 (NM_001913) Human Tagged ORF Clone
Tag:	TurboGFP
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-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG223826 representing NM_001913
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCAATGTGGGATCGATGTTTCAATATTGGAAGCGCTTTGATTTACAGCAGCTGCAGAGAGAAC
TCGATGCCACCGCAACGGTATTGGCGAACCGCAGGATGAAAGTGAGCAGTCCAGAAAGCGCTTATCGA
ACAGAGCCGGGAGTTCAAGAAGAACAACCTCCAGAGGATTTGCGCAAGCAGGTAGCGCCGCTGCTGAAGAGT
TTCCAAGGAGAGATTGATGCACTGAGTAAAAGAAGCAAGGAAGCTGAAGCAGCTTTCTTGAATGTCTACA
AAAGATTGATTGACGTCCAGATCCCGTACCAGCTTTGGATCTCGGACAGCAACTCCAGCTCAAAGTGCA
GCGCTGCACGATATTGAAACAGAGAACCAGAACTTAGGGAACTCTGGAAGAATACAACAAGGAATTT
GCTGAAGTGAAAAATCAAGAGGTTACGATAAAAGCACTTAAAGAGAAAAATCCGAGAATATGAACAGACAC
TGAAGAACCAAGCCGAAACCATAGCTCTTGAGAAGGAACAGAAGTTACAGAATGACTTTGCAGAAAAGGA
GAGAAAGCTGCAGGAGACACAGATGTCCACCACCTCAAAGCTGGAGGAAGCTGAGCATAAGTTTCAGAGC
CTACAAAACAGCCCTGGAAAAAATCGAACAGAATTATTTGACCTGAAAACCAAATACGATGAAGAACTA
CTGCAAAGGCCGACGAGATTGAAATGATCATGACGGACCTTAAAAGGGCAAAACCAGAGGGCAGAGGTGGC
TCAGAGAGAGGGCAGACCTTAAGGGAACAGCTCTCATCGGCCAATCACTCCCTCCAGCTGGCCTCACAG
ATCCAGAAGGCACCAGACGTGGAGCAGGCCATAGAGGTGCTGACCCGCTCCAGCCTAGAAGTTGAGTTGG
CCGCCAAGGAGCGGGAGATCGCACAGCTGGTGGAGGACGTGCAGAGACTCCAGGCCAGCCTACCAAAGCT
GCGGGAGAATTCGGCCAGCCAGATCTCACAGCTTGAGCAGCAGCTGAGCGCCAAAAACAGCACACTCAA
CAACTGGAAGAAAACTCAAAGGCCAGGCTGACTATGAAGAGGTGAAGAAAGAGCTGAACATTCTGAAGT
CCATGGAGTTTGCACCGTCCGAGGGCGCTGGGACACAGGATGCGGCCAAGCCCTGGAGGTGCTGTTGCT
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TGTGCAGAGCTGCAAGTCCGTATCACTGAGGCTGTGGCCACAGCCACTGAGCAGAGAGAGCTGATCGCCC
GCCTGGAGCAGGACCTGAGCATCATTAGTCCATCCAGCGGCCCGATGCCGAGGGTGCCGCTGAGCACCG
CCTGGAGAAGATCCCAGAGCCCATCAAAGAGGCCACTGCCCTATTCTACGGACCTGCAGCACCAGCCAGC
GGTGCCCTCCCAGAGGGCCAGGTGGATTCACTGCTTTCCATCATCTCCAGCCAGAGGGAGCGCTTCCGTG
CCCGGAACCAGGAGCTTGAGGCCGAGAACCGCCTGGCCCAGCACACCCTCCAGGCCCTGCAGAGTGAGCT
GGACAGCCTGCGCGCCGACAACATCAAGCTCTTTGAGAAGATCAAGTTCTGCAGAGCTACCCTGGCCGG
GGCAGCGCAGTGATGACACGGAGCTGCGGTACTCGTCCAGTACGAGGAGCGCCTGGACCCCTTCTCCT
CCTTCAGCAAGCGGGAGCGGCAGAGGAAGTACCTGAGCTTGAGTCCCTGGGACAAGGCCACCCTCAGCAT
GGGGCGTCTGTTCTCTCCAACAAGATGGCGCGCACCATCGGCTTCTTCTACACACTGTTCTGCACTGC
CTGGTCTTCTGGTGCTCTACAAGCTGGCATGGAGCGAGAGCATGGAGAGGGACTGTGCCACCTTCTGCG
CCAAGAAGTTCGCTGACCACCTGCACAAGTTCACGAGAATGACAACGGGGCTGCGGCTGGTGACTTGTG
GCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG223826 representing NM_001913
 Red=Cloning site Green=Tags(s)

MAANVGSMFQYWKRFDLQQLQRELDATATVLANRQDESEQSRKRLIEQSREFKKNTPEDLRKQVAPLLKS
 FQGEIDALSKRSKEAEEAFLNVYKRLIDVPDPVPALDLGQQLQLKVQRLHDIETENQKLRETL EEYNKEF
 AEVKNQEVTIKALKEKIREYEQTLKNQAETIALEKEQKLQNDFAEKERKLQETQMSTTSKLEEAHKVQS
 LQTALEKTRTELFDLTKTYDEETAKADEIEMIMTDLERANQRAEVAQREAEATLREQLSSANHSLQLASQ
 IQKAPDVEQAIEVLTRSSLEVELAAKEREIAQLVEDVQRLQASLTKLRENSASQISQLEQQLSAKNSTLK
 QLEEKLGQADYEEVKELNILKSMFAPSEGAGTQDAAKPLEVLLLEKNRSLQSENAALRISNSDLSGR
 CAELQVRITEAVATATEQRELIARLEQDLSIIQSIQRPDAEGAAEHRLEKIPEPIKEATALFYGPAAPAS
 GALPEGQVDSLLSIISSQRERFRARNQELEAENRLAQHTLQALQSELDLADNLIKLFKIKFLQSYPRG
 GSGSDDTELRYSSQYEERLDPFSSFSKRERQRKYLSPWDKATLSMGRVLVSNKMARTIGFFYTLFLHC
 LVFLVLVKLAWSESMERDCATFCAKKFADHLHKFHENDNGAAAGDLWQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001913

ORF Size: 2034 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_001913.3](#)

RefSeq Size: 2942 bp

RefSeq ORF: 2037 bp

Locus ID: 1523

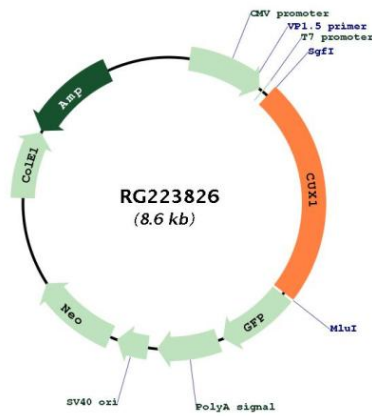
UniProt ID: [Q13948](#)

Cytogenetics: 7q22.1

Protein Families: Transcription Factors, Transmembrane

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 RG223826