

Product datasheet for MR211982

Cux2 (NM_007804) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cux2 (NM_007804) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cux2
Synonyms:	1700051K22Rik; Cutl; Cutl2; Cux-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211982 representing NM_007804 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGGTAGCTCCGGTGCTGAAGAGCTTCCAGGCTGAGGTGGTGGCTCTCAGTAAAAGAAGTCGGGAGGCAG
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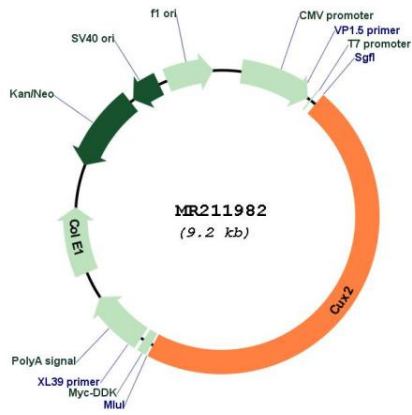


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CCAGACCGAGGGCAAGATGGCCCAAGAGGAGCATACCCACCCTCTGGGAAACAGTGACCTCTCAGAGC
TGGCCCCAGGGCCCTTTCTTTCAGGCACACCCAATCCAGACTGTCTTATTGCACAACCCCAAGAAAA
GGGACTGGGGAACAGGTTCACTCAGAGCCTCTGAGTTTCAAGTCCACCTCCGAATCCTCCTGCTGCAGC
CTGGAGGGGCCACCGAATCTCCCTCTGTATCTCCTCGCCAGACCTCACGACATGTGTGTACCTGCCC
CTTCTCCTCAGCCCCATCTCCCATCCTTACCTGGTGGCCACCTGCCAAAGTGCCGAGTACCAGCCC
CACTGGTGACACAGCCGAGCCTTGACCCACAGCACTAAGGTGAACCCCAACTTGACGCGCGGCATGAG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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:	<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_007804.2 , NP_031830.2
RefSeq Size:	5133 bp
RefSeq ORF:	4281 bp
Locus ID:	13048
UniProt ID:	P70298
Cytogenetics:	5 62.02 cM
MW:	155.1 kDa
Gene Summary:	This gene is a member of the Cut family of transcription factors that have multiple DNA binding domains and regulate cell proliferation and differentiation. This gene is primarily expressed in nervous tissues where it controls the proliferation of neuronal precursors, and may play a role in organogenesis earlier during embryonic development. Mice lacking the encoded protein exhibit smaller spinal cords with deficits in neural progenitor development as well as in neuroblast and interneuron differentiation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015]

Product images:



Circular map for MR211982