Product datasheet for MR211982L4V

Cux2 (NM_007804) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cux2 (NM_007804) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cux2
Synonyms:	1700051K22Rik; Cutl; Cutl2; Cux-2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007804
ORF Size:	4278 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211982).
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.
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

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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]