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Product datasheet for RC202939L3V

HOXA10 (NM_018951) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	HOXA10 (NM_018951) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HOXA10
Synonyms:	HOX1; HOX1.8; HOX1H; PL
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_018951
ORF Size:	1179 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202939).
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_018951.2, NP_061824.2
RefSeq Size:	2648 bp
RefSeq ORF:	1233 bp
Locus ID:	3206
UniProt ID:	P31260
Cytogenetics:	7p15.2
Protein Families:	Transcription Factors
MW:	40.5 kDa

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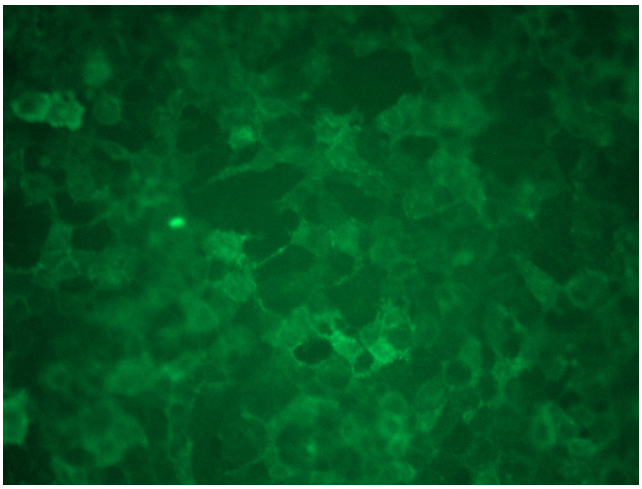
Gene Summary: In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor that may regulate gene expression, morphogenesis, and differentiation. More specifically, it may function in fertility, embryo viability, and regulation of hematopoietic lineage commitment. Alternatively spliced transcript variants have been described. Read-through transcription also exists between this gene and the downstream homeobox A9 (HOXA9) gene. [provided by RefSeq, Mar 2011]

Product images:



[RC202939L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC202939L3V particle to overexpress human HOXA10-Myc-DDK fusion protein.