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Product datasheet for RC218740L1V

HOXB5 (NM_002147) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	HOXB5 (NM_002147) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HOXB5
Synonyms:	HHO.C10; HOX2; Hox2.1; HOX2A; HU-1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_002147
ORF Size:	807 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC218740).`
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_002147.2, NP_002138.1
RefSeq Size:	1835 bp
RefSeq ORF:	810 bp
Locus ID:	3215
UniProt ID:	P09067
Cytogenetics:	17q21.32
Domains:	homeobox
Protein Families:	Transcription Factors

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MW: 29.3 kDa

Gene Summary: This gene is a member of the Antp homeobox family and encodes a nuclear protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded protein functions as a sequence-specific transcription factor that is involved in lung and gut development. Increased expression of this gene is associated with a distinct biologic subset of acute myeloid leukemia (AML) and the occurrence of bronchopulmonary sequestration (BPS) and congenital cystic adenomatoid malformation (CCAM) tissue. [provided by RefSeq, Jul 2008]