

Product datasheet for **RC208375L4V**

HOXB4 (NM_024015) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	HOXB4 (NM_024015) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HOXB4
Synonyms:	HOX-2.6; HOX2; HOX2F
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_024015
ORF Size:	753 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208375).
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_024015.3
RefSeq Size:	2040 bp
RefSeq ORF:	756 bp
Locus ID:	3214
UniProt ID:	P17483
Cytogenetics:	17q21.32
Protein Families:	ES Cell Differentiation/IPS, Stem cell relevant signaling - DSL/Notch pathway, Transcription Factors

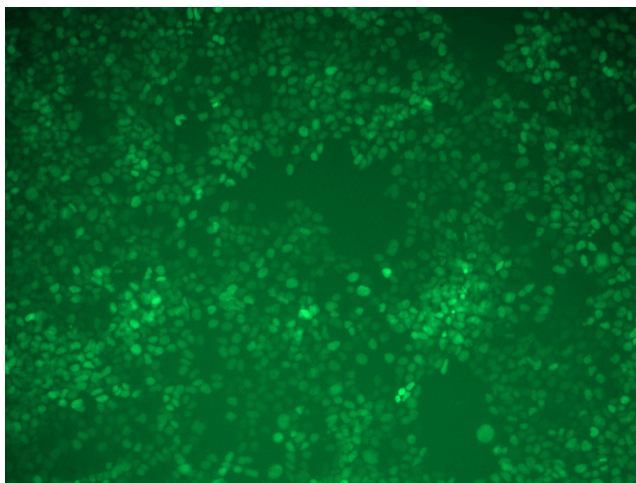


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MW: 27.4 kDa

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 development. Intracellular or ectopic expression of this protein expands hematopoietic stem and progenitor cells in vivo and in vitro, making it a potential candidate for therapeutic stem cell expansion. [provided by RefSeq, Jul 2008]

Product images:



[RC208375L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC208375L4V particle to overexpress human HOXB4-mGFP fusion protein.