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Product datasheet for RC204747L3V

HOXD4 (NM_014621) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	HOXD4 (NM_014621) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HOXD4
Synonyms:	HHO.C13; Hox-4.2; HOX-5.1; HOX4; HOX4B
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_014621
ORF Size:	765 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC204747).`
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_014621.2
RefSeq Size:	1298 bp
RefSeq ORF:	768 bp
Locus ID:	3233
UniProt ID:	P09016
Cytogenetics:	2q31.1
Domains:	homeobox
Protein Families:	Transcription Factors

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MW: 27.9 kDa

Gene Summary: This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXD genes located at 2q31-2q37 chromosome regions. Deletions that removed the entire HOXD gene cluster or 5' end of this cluster have been associated with severe limb and genital abnormalities. The protein encoded by this gene may play a role in determining positional values in developing limb buds. Alternatively spliced variants have been described but their full length nature has not been determined. [provided by RefSeq, Jul 2008]