

Recombinant Human HOXD9 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HOXD9-1303H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HOXD9 MS Standard C13 and N15-labeled recombinant protein (NP_055028) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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 exact role of this gene has not been determined.
Molecular Mass	35.6 kDa
AA Sequence	MSSSGTLSNYYVDSLIGHEGDEVFAARFGPPGPGAQGRPAGVADGPAATAAEFAS CSFAPRSAVFSASWSAVPSQPPAAAAMSGLYHPYVPPPPLAASASEPGRYVRSWM EPLPGFPGGAGGGGGGGGGGGPGRVPALAPAAQPTGCHYGIKPETRAAPAPATAAS TTSSSSTLSSSSSKRTECSVARESQGSSGPEFSCNSFLQEKAATAATGGTGPGAGIG

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AATGTGGSSEPSACSDHPIPGCSLKEEEKQHSQPQQQLDPNNPAANWIHARSTR
KKRCPYTKYQTLELEKEFLFNMYLTRDRRYEVARILNLTERQVKIWFQNRMRMKMKK
MSKEKCPKGDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name HOXD9 homeobox D9 [Homo sapiens (human)]

Official Symbol HOXD9

Synonyms HOXD9; homeobox D9; homeo box D9, HOX4, HOX4C; homeobox protein Hox-D9; homeo box D9; homeobox protein Hox-4C; homeobox protein Hox-5.2; Hox-4.3, mouse, homolog of; HOX4; HOX4C; Hox-4.3; Hox-5.2;

Gene ID 3235

mRNA Refseq NM_014213

Protein Refseq NP_055028

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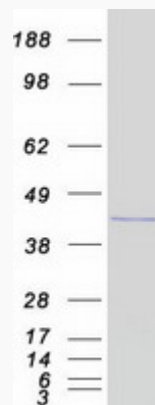
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MIM 142982

UniProt ID P28356

SDS-PAGE



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