

Recombinant Human HOXD10 Protein, His-tagged

Cat. No. HOXD10-714H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HOXD10 fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene is a member of the Abd-B homeobox family and encodes a protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox D genes located on chromosome 2. The encoded nuclear protein functions as a sequence-specific transcription factor that is expressed in the developing limb buds and is involved in differentiation and limb development. Mutations in this gene have been associated with Wilm's tumor and congenital vertical talus (also known as 'rocker-bottom foot' deformity or congenital convex pes valgus) and/or a foot deformity resembling that seen in Charcot-Marie-Tooth disease.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl. Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	38.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	HOXD10 homeobox D10 [Homo sapiens]
Official Symbol	HOXD10
Synonyms	HOXD10; homeobox D10; homeo box D10 , HOX4, HOX4D; homeobox protein Hox-D10; homeo box 4D; homeo box D10; homeobox protein Hox-4D; homeobox protein Hox-4E; HOX4; HOX4D; HOX4E; Hox-4.4;
Gene ID	3236
mRNA Refseq	NM_002148
Protein Refseq	NP_002139
MIM	142984
UniProt ID	P28358

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