

Recombinant Human HOXD10

Cat. No. HOXD10-26460TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 44-143 of Human HOXD10 with N terminal proprietary tag; Predicted MWt 36.63 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
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 Wilms 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.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Strongly expressed in the adult male and female urogenital tracts.
Form	Liquid
Purity	Proprietary Purification

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	GTYGMQTCGLLPSLAKREVNHQNMGMNVHPYIPQVDSWTDPNRSCRIEQPVTQQVPTCSFTTNIKEESNCCMYSDKRNKLISAEVPSYQRLVPESCPVEN
Sequence Similarities	Belongs to the Abd-B homeobox family.Contains 1 homeobox DNA-binding domain.

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;
Gene ID	3236
mRNA Refseq	NM_002148
Protein Refseq	NP_002139
MIM	142984
Uniprot ID	P28358
Chromosome Location	2q31.1

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Function

chromatin binding; sequence-specific DNA binding; sequence-specific DNA binding
transcription factor activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA