Recombinant Full Length Human HOXD10 Protein, GST-tagged

Cat. No. HOXD10-3732HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HOXD10 full-length ORF (NP_002139.2, 1 a.a. - 340 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	340 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. [provided by RefSeq
Molecular Mass	64.8 kDa
AA Sequence	MSFPNSSPAANTFLVDSLISACRSDSFYSSSASMYMPPPSADMGTYGMQTCGLLPS LAKREVNHQNMGMNVHPYIPQVDSWTDPNRSCRIEQPVTQQVPTCSFTTNIKEESN CCMYSDKRNKLISAEVPSYQRLVPESCPVENPEVPVPGYFRLSQTYATGKTQEYNN SPEGSSTVMLQLNPRGAAKPQLSAAQLQMEKKMNEPVSGQEPTKVSQVESPEAKG GLPEERSCLAEVSVSSPEVQEKESKEEIKSDTPTSNWLTAKSGRKKRCPYTKHQTL

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

	ELEKEFLFNMYLTRERRLEISKSVNLTDRQVKIWFQNRRMKLKKMSRENRIRELTANLTFS
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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UniProt ID	P28358

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