

Recombinant Human HOXD8, His-tagged

Cat. No. HOXD8-13915H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HOXD8 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-289a.a.
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 in a cluster on chromosome 2. Deletions that remove the entire HOXD gene cluster or the 5 end of this cluster have been associated with severe limb and genital abnormalities. In addition to effects during embryogenesis, this particular gene may also play a role in adult urogenital tract function. Alternate splicing results in multiple transcript variants.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

 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

GENE INFORMATION

Gene Name	HOXD8 homeobox D8 [Homo sapiens]
Official Symbol	HOXD8
Synonyms	HOXD8; homeobox D8; homeo box D8 , HOX4, HOX4E; homeobox protein Hox-D8; Hox-4.5; homeo box 4E; homeo box D8; homeobox protein 5.4; homeobox protein Hox-4E; homeobox protein Hox-5.4; HOX4; HOX4E; HOX5.4;
Gene ID	3234
mRNA Refseq	NM_001199746
Protein Refseq	NP_001186675
MIM	142985
UniProt ID	P13378
Chromosome Location	2q31.1
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; sequence-specific DNA binding transcription factor activity;

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