

Recombinant Human HOXD8

Cat. No. HOXD8-26896TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human HOXD8 with N-terminal proprietary tag. Predicted MW 32.78kDa.
Species	Human
Source	Wheat Germ
ProteinLength	65 amino acids
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.
Molecular Weight	32.780kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification

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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	GIACHGEPAKFYGYDNLQRQPIFTTQQEALVQYPDCKSSSGNIGEDPDHLNQSSS PSQMFPWMR
Sequence Similarities	Belongs to the Antp homeobox family.Contains 1 homeobox DNA-binding domain.

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;
Gene ID	3234
mRNA Refseq	NM_001199746
Protein Refseq	NP_001186675
MIM	142985
Uniprot ID	P13378
Chromosome Location	2q31.1

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Function

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

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