Recombinant Human HOXD1

Cat. No. HOXD1-26895TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human HOXD1 with N terminal proprietary tag. Predicted MW 35.53 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	90 amino acids
Description	This gene is a member of the Antp homeobox family and encodes a protein with a homeobox DNA-binding domain. This nuclear protein functions as a sequence-specific transcription factor that is involved in differentiation and limb development. Mutations in this gene have been associated with severe developmental defects on the anterior-posterior (a-p) limb axis.
Molecular Weight	35.530kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
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.

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Sequences of amino acids	QVDYAAFGEPGPFPACLKASADGHPGAFQTASPAPGTYPKSVSPASGLPAAFSTFE WMKVKRNASKKGKLAEYGAASPSSAIRTNFSTKQ
Sequence Similarities	Belongs to the Antp homeobox family. Labial subfamily.Contains 1 homeobox DNA-binding domain.

GENE INFORMATION

Gene Name	HOXD1 homeobox D1 [Homo sapiens]
Official Symbol	HOXD1
Synonyms	HOXD1; homeobox D1; homeo box D1 , HOX4, HOX4G; homeobox protein Hox-D1;
Gene ID	3231
mRNA Refseq	NM_024501
Protein Refseq	NP_078777
MIM	142987
Uniprot ID	Q9GZZ0
Chromosome Location	2q31.1
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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