Recombinant Full Length Human HOXD8 Protein, GST-tagged

Cat. No. HOXD8-3737HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HOXD8 full-length ORF (AAH90853.1, 1 a.a. - 289 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	289 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. [provided by RefSeq
Molecular Mass	58.2 kDa
AA Sequence	MSSYFVNPLYSKYKAAAAAAAAAGEAINPTYYDCHFAPGVGGRHAAAAAALQLYGN SAAGFPHAPPQAHAHPHPSPPPSGTGCGGREGRGQEYFHPGGGSPAAAYQAAPP PPPHPPPPPPPPPCGGIACHGEPAKFYGYDNLQRQPIFTTQQEAELVQYPDCKSSS

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	GNIGEDPDHLNQSSSPSQMFPWMRPQAPGRRRGRQTYSRFQTLELEKEFLFNPYL TRKRRIEVSHALALTERQVKIWFQNRRMKWKKENNKDKFPVSRQEVKDGETKKEA QELEEDRAEGLTN
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	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

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MIM	142985
UniProt ID	P13378

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