

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	MSSYFVNPLYSKYKAAAAAAAAAAGEAINPTYDCHFAPGVGGRHAAAAAALQLYGN SAAGFPHAPPQAHAHPHPSPPPSGTGCGGREGRGQEYFHPGGGSPAAAYQAAPP PPPHPPPPPPPPPCGGIACHGEPAKFYGYDNLQRQPIFTTQQEAEVQYPDCKSSS

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GNIGEDPDHLNQSSSPSQMFPWMRPQAPGRRRGRQTYSRFQTLELEKEFLFNPYL
TRKRRIEVSHALALTERQVKIWFQNRRMKWKKENNKDKFPVSRQEVKDGGETKKEA
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
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UniProt ID	P13378
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