

Recombinant Full Length Human HOXD11 Protein, GST-tagged

Cat. No. HOXD11-3733HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HOXD11 full-length ORF (AAI60135.1, 1 a.a. - 338 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	338 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. The product of the mouse Hoxd11 gene plays a role in forelimb morphogenesis. [provided by RefSeq
Molecular Mass	37.2 kDa
AA Sequence	MNDFDECGQSAASMYLPGCAYYVAPSDFAKPSFLSQPSSCQMTFPYSSNLAPHV QPVREVAFRDYGRLERAKWPYRGGGGGGSAGGGSSGGGPGGGGGGAGGYAPYY AAAAAAAAAAAAAEEAAMQRELLPPAGRPPDVLFKAPEPVCAAPGPPHGPAGAAS NFYSAVGRNGILPQGFDQFYEAAPGPPFAGPQPPPPPPAPPQPEGAADKGDPRRTGA

 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

GGGGGSPCTKATPGSEPKGAAEGSGGDGEGPPGEAGAEKSSSAVAPQRSRKKRC
PYTKYQIRELEREFFFNVYINKEKRLQLSRMLNLTDRQVKIWFQNRMMKEKKLNDR
LQYFTGNPLF

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

[HOXD11 homeobox D11 \[Homo sapiens \]](#)

Official Symbol

[HOXD11](#)

Synonyms

HOXD11; homeobox D11; homeo box D11 , HOX4, HOX4F; homeobox protein Hox-D11; homeo box 4F; homeo box D11; homeobox protein Hox-4F; Hox-4.6, mouse, homolog of; HOX4; HOX4F;

Gene ID

[3237](#)

mRNA Refseq

[NM_021192](#)

Protein Refseq

[NP_067015](#)

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MIM	142986
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UniProt ID	P31277
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