

Recombinant Full Length Human HOXD4 Protein, GST-tagged

Cat. No. HOXD4-3736HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HOXD4 full-length ORF (NP_055436.2, 1 a.a. - 255 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	255 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 at 2q31-2q37 chromosome regions. Deletions that removed the entire HOXD gene cluster or 5 end of this cluster have been associated with severe limb and genital abnormalities. The protein encoded by this gene may play a role in determining positional values in developing limb buds. Alternatively spliced variants have been described but their full length nature has not been determined. [provided by RefSeq]
Molecular Mass	54.3 kDa
AA Sequence	MVMSSYMVNSKYVDPKFPPCEEYLQGGYLGEQGADYYGGGAQGADFQPPGLYPR PDFGEQPFGGSGPGPGSALPARGHGQEPGGPGGHYAAPGEPCPAPPAPPPAPLP

 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

GARAYSQSDPKQPPSGTALKQPAVVYPWMKKVHVNSVNPNTTGGEPKRSRTAYT
RQQVLELEKEFHFNRYLTRRRRIEIAHTLCLSERQIKIWFQNRRMKWKDKHKLPTNK
GRSSSSSSSSSCSSSVAPSQHLQPMADHHTDLTTL

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

[HOXD4 homeobox D4 \[Homo sapiens \]](#)

Official Symbol

[HOXD4](#)

Synonyms

HOXD4; homeobox D4; homeo box D4 , HOX4, HOX4B; homeobox protein Hox-D4; homeobox protein Hox-4B; homeobox protein HHO.C13; homeobox protein Hox-5.1; Hox-4.2, mouse, homolog of homeo box X; HOX4; HOX4B; HHO.C13; HOX-5.1; Hox-4.2;

Gene ID

[3233](#)

mRNA Refseq

[NM_014621](#)

Protein Refseq

[NP_055436](#)

 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

MIM	142981
-----	--------

UniProt ID	P09016
------------	--------

 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