

Recombinant Full Length Human HOXD13 Protein, GST-tagged

Cat. No. HOXD13-3734HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HOXD13 full-length ORF (AAI48864.1, 1 a.a. - 343 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	343 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. Mutations in this particular gene cause synpolydactyly. [provided by RefSeq]
Molecular Mass	64.68 kDa
AA Sequence	MSRAGSWDMDGLRADGGGAGGAPASSSSSSVAAAAASGQCRGFLSAPVFAGTHS GRAAAAAAAAAAAAAAAAAASGFAYPGTSSERTGSSSSSSSAVVAARPEAPPAKECPAP TPAAAAAAPPSPALGYGYHFGNGYYSCRM SHGVGLQQNALKSSPHASLGGFPVE KYMDVSGGLASSSVPANVPARAKEVSFYQGYTSPYQHVPGYIDMVSTFGSGEPRH

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EAYISMEGYQSWTLANGWNSQVYCTKDQPQGSHFWKSSFPGDVALNQPDMCVYR
RGRKKRVPYTKLQLKELENEYAINKFINKDKRRRISAATNLSEKQVTIWFQNRKVKDK
KIVSKLKDTVS

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

HOXD13 homeobox D13 [Homo sapiens (human)]

Official Symbol

HOXD13

Synonyms

HOXD13; homeobox D13; BDE; SPD; BDSD; SPD1; HOX4I; homeobox protein Hox-D13; homeo box 4I; homeo box D13; homeobox protein Hox-4I

Gene ID

3239

mRNA Refseq

NM_000523

Protein Refseq

NP_000514

MIM

142989

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UniProt ID

P35453

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