

Recombinant Full Length Human HOXD3 Protein, GST-tagged

Cat. No. HOXD3-3735HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HOXD3 full-length ORF (NP_008829.3, 1 a.a. - 432 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	432 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 the regulation of cell adhesion processes. [provided by RefSeq
Molecular Mass	72.1 kDa
AA Sequence	MLFEQGQQAELPECTMQKAAYYENPGLFGGYGYSKTTDTYGYSTPHQPYPPPPAA ASSLDTDYPGSACSIQSSAPLRAPAHKGAELNGSCMRPGTGNSQGGGGGSQPPGL NSEQQPPQPPPPPTLPPSSPTNPGGGVPAKKPKGGPNASSSSATISKQIFPWMKE

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SRQNSKQKNSCATAGESCEDKSPPGPASKRVRTAYTSAQLVELEKEFHFNRYLCRP
RRVEMANLLNLTERQIKIWFQNRRMKYKKDQKAKGILHSPASQSPERSPPLGGAAG
HVAYSGQLPPVPGLAYDAPSPPAFAKSQPNMYGLAAYTAPLSSCLPQQKRYAAPEF
EPHPMASNGGGFASANLQGSPVYVGGNFVESMAPASGPVFNLGHLSPSSASVDY
SCAAQIPGNHHHGPCDPHPTYTDLSAHHSSQGRLPEAPKLTHL

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

HOXD3 homeobox D3 [Homo sapiens]

Official Symbol

HOXD3

Synonyms

HOXD3; homeobox D3; homeo box D3 , HOX1D, HOX4, HOX4A; homeobox protein Hox-D3; homeo box D3; homeobox protein Hox-4A; Hox-4.1, mouse, homolog of; HOX4; HOX1D; HOX4A; Hox-4.1; MGC10470;

Gene ID

3232

mRNA Refseq

NM_006898

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Protein Refseq	NP_008829
MIM	142980
UniProt ID	P31249

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