Recombinant Human HOXD3 Protein, GST-tagged

Cat. No. HOXD3-4995H **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	Wheat Germ
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	MLFEQGQQALELPECTMQKAAYYENPGLFGGYGYSKTTDTYGYSTPHQPYPPPAA ASSLDTDYPGSACSIQSSAPLRAPAHKGAELNGSCMRPGTGNSQGGGGGSQPPGL NSEQQPPQPPPPPPTLPPSSPTNPGGGVPAKKPKGGPNASSSSATISKQIFPWMKE SRQNSKQKNSCATAGESCEDKSPPGPASKRVRTAYTSAQLVELEKEFHFNRYLCRP

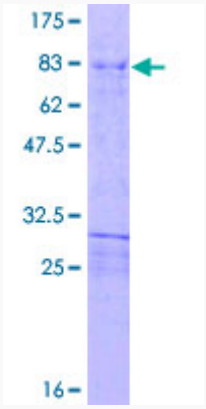
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	RRVEMANLLNLTERQIKIWFQNRRMKYKKDQKAKGILHSPASQSPERSPPLGGAAG HVAYSGQLPPVPGLAYDAPSPPAFAKSQPNMYGLAAYTAPLSSCLPQQKRYAAPEF EPHPMASNGGGFASANLQGSPVYVGGNFVESMAPASGPVFNLGHLSHPSSASVDY SCAAQIPGNHHHGPCDPHPTYTDLSAHHSSQGRLPEAPKLTHL
Applications	Enzyme-linked Immunoabsorbent 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
Protein Refseq	NP_008829

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MIM	142980
UniProt ID	P31249
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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