

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	MLFEQGQQAELPECTMQKAAYYENPGLFGGYGYSKTTDTYGYSTPHQPYPPPPAA ASSLDTDYPGSACSIQSSAPLRAPAHKGAELNGSCMRPGTGNSQGGGGGSQPPGL NSEQQPPQPPPPPTLPPSSPTNPGGGVPAKKPKGGPNASSSSATISKQIFPWMKE SRQNSKQKNSCATAGESCEDKSPPGPASKRVRTAYTSAQLVELEKEFHFNRYLCRP

 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

RRVEMANLLNLTERQIKIWFQNRRMKYKKDQKAKGILHSPASQSPERSPPLGGAAG
 HVAYSGQLPPVPGLAYDAPSPPAFAKSQPNMYGLAAYTAPLSSCLPQQKRYAAPEF
 EPHPMASNGGGFASANLQGSPVYVGGNFVESMAPASGPVFNLGHLSPSSASVDY
 SCAAQIPGNHHHGPCDPHPTYTDLSAHSSQGRLPEAPKLTHL

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](#)

 Tel: 1-631-559-9269 1-516-512-3133

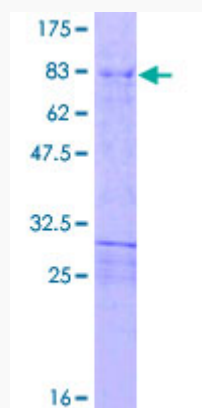
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM 142980

UniProt ID P31249

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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