

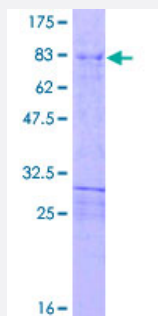
Full-Length

HOXD3 (Human) Recombinant Protein (P01)

Catalog # H00003232-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human HOXD3 full-length ORF (NP_008829.3, 1 a.a. - 432 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MLFEQQQQAELPECTMQKAAYENPGLFGGYGYSKTTDTYGYSTPHQYPPPPAAASSLDTDYP
GSACSIQSSAPLRAPAHKGAELNGSCMRPGTGN SQGGGGGSQPPGLNSEQQPPQPPPPPTL
PPSSPTNPGGGVPAKKPKGGPNASSSSATISKQIFPWMKESRQNSKQKNSCATAGESCEDKSP
PGPASKRVRTAYTSAQLVELEKEFHFNRYLCRPRRVEMANLLNLTERQIKWQNRMMKYKKDQK
AKGILHSPASQSPERSPPPLGGAAGHVAYSQQLPPVPGLAYDAPSPPAFAKSQPNMYGLAAYTAP
LSSCLPQQKRYAAPEFEPHPMASNGGGFASANLQGSPVYVGGNFVESMAPASGPVFNLGHLSH
PSSASVDYSCAAQIPGNHHHGPCDPHTYTDLSAHSSSQGRLPEAPKLTHL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

72.1

Interspecies Antigen Sequence

Mouse (94); Rat (97)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HOXD3

Entrez GeneID [3232](#)

GeneBank Accession# [NM_006898.4](#)

Protein Accession# [NP_008829.3](#)

Gene Name HOXD3

Gene Alias HOX1D, HOX4, HOX4A, Hox-4.1, MGC10470

Gene Description homeobox D3

Omim ID [142980](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations Hox-4.1, mouse, homolog of|OTTHUMP00000163342|homeobox D3|homeobox protein Hox-D3

Disease

- [Clubfoot](#)