HOXD10 (Human) Recombinant Protein (Q01)

Catalog #   H00003236-Q01   Size   25 ug, 10 ug

Applications
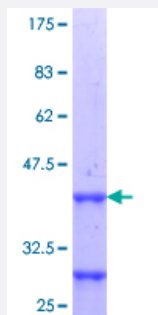
Specification

Product Description	Human HOXD10 partial ORF (NP_002139.2, 44 a.a. - 143 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GTYGMQTCGLLPSLAKREVNHQNMGMNVHPYIPQVDSWTDPNRSCRIEQPVTQQVPTCSFTTNIK EESNCCMYSDKRNKLISAEVPSYQRLVPESCPVEN
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (99); Rat (99)
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 — HOXD10

Entrez GeneID	3236
GeneBank Accession#	NM_002148
Protein Accession#	NP_002139.2
Gene Name	HOXD10
Gene Alias	HOX4, HOX4D, HOX4E, Hox-4.4
Gene Description	homeobox D10
Omim ID	142984 192950
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the Abd-B homeobox family and encodes a protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox D genes located on chromosome 2. The encoded nuclear protein functions as a sequence-specific transcription factor that is expressed in the developing limb buds and is involved in differentiation and limb development. Mutations in this gene have been associated with Wilm's tumor and congenital vertical talus (also known as "rocker-bottom foot" deformity or congenital convex pes valgus) and/or a foot deformity resembling that seen in Charcot-Marie-Tooth disease. [provided by RefSeq
Other Designations	homeo box 4D|homeo box D10

Disease

- Clubfoot

- Genetic Predisposition to Disease