

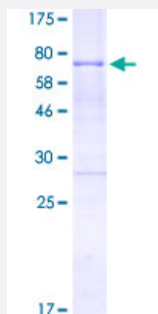
Full-Length

HOXA10 (Human) Recombinant Protein (P01)

Catalog # H00003206-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human HOXA10 full-length ORF (ABM86018.1, 1 a.a. - 393 a.a.) recombinant protein with GST tag at N-terminal.

Sequence

MSCSESPAANSFLVDSLSSGRGEAGGGGGGAGGGGGGGYYAHGGVYLPPAADLPYGLQSCGL
FPTLGKKRNEAASPGSGGGGGGLGPGAHGYPSPIDLWLDAPRSCRMEPPDGPPPPPPQQQPP
PPPQPPQAPQATSCSFAQNIKEESSYCLYDSADKCPKVSATAAELAPFPRGPPPDGCALGTSS
GVPVPGYFRLSQAYGTAKGYGSGGGGAQQLGAGPFPAQPPGRGFDLPPALASGSADAARKER
ALDSPPPPTLACSGSGGSQGDEEAHASSSAAEELSPAPSESSKASPEKDSLGNKSKGENAANW
LTAKSGRKKRCPYTKHQTLLEKEFLFNMYLTRERRLEISRSVHLTDRQVKWIFQNRMRMLKKMN
RENRIRELTANFNFS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

69.63

Interspecies Antigen Sequence

Mouse (85); Rat (85)

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 — HOXA10

Entrez GeneID	3206
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GeneBank Accession#	DQ895092.2
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Protein Accession#	ABM86018.1
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Gene Name	HOXA10
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Gene Alias	HOX1, HOX1.8, HOX1H, MGC12859, PL
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Gene Description	homeobox A10
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Omim ID	142957
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Gene Ontology	Hyperlink
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Gene Summary	In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor that may regulate gene expression, morphogenesis, and differentiation. More specifically, it may function in fertility, embryo viability, and regulation of hematopoietic lineage commitment. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq]
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Other Designations	OTTHUMP00000196025 homeobox A10 homeobox protein 1H homeobox protein HOXA10
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Disease

- [Abnormalities](#)
- [Clubfoot](#)
- [Cryptorchidism](#)
- [Endometriosis](#)