

Recombinant Full Length Human HOXA10 Protein, Flag tagged

Cat. No. HOXA10-10HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human homeobox A10 (HOXA10), transcript variant 1 with Flag tag was expressed in HEK293T.
Species	Human
Source	HEK293T
ProteinLength	1-410 aa
Description	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 have been described. Read-through transcription also exists between this gene and the downstream homeobox A9 (HOXA9) gene.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Molecular Mass	11.3 kDa
AASequence	MSCSESPAANSFLVDSLISGRGEAGGGGGGAGGGGGGGYYAHGGVYLPPAADL PYGLQSCGLFPTLGGRNEAASPGSGGGGGGLGPGAHGYPSPIDLWLDAPRSC

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RMEPPDGPPPPPPQQQPPPPPPQPPQPAPQATSCSFAQNIKEESSYCLYDSADKCPK
 VSATAAELAPFPRGPPPDGCGALGTSSGVPVPGYFRLSQAYGTAKGYGSGGGGAQQ
 LGAGPFPAQPPGRGFDLPPALASGSADAARKERALDSPPPPTLACGSGGGGSQGDE
 EAHASSSAAEELSPAPSESSKASPEKDSLGNKGENAANWLTAKSGRKKRCPYTKH
 QTLELEKEFLFNMYLTRERRLEISRSVHLTDRQVKIWFQNRRMKLKKMNRENRIREL
 TANFNFSGPTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Notes For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Concentration > 0.05 µg/µL as determined by microplate BCA method

GENE INFORMATION

Gene Name [HOXA10 homeobox A10 \[Homo sapiens \(human\) \]](#)

Official Symbol [HOXA10](#)

Synonyms HOXA10; homeobox A10; PL; HOX1; HOX1H; HOX1.8; homeobox protein Hox-A10; homeo box A10; homeobox protein 1H; homeobox protein HOXA10; homeobox protein Hox-1.8; homeobox protein Hox-1H

Gene ID [3206](#)

mRNA Refseq [NM_018951](#)

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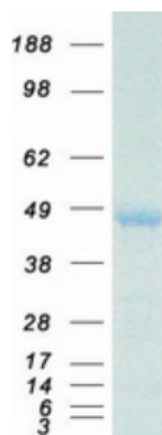
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Protein Refseq NP_061824

MIM 142957

UniProt ID P31260

SDS-PAGE and WB



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