

Recombinant Human HOXA7 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HOXA7-3223H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HOXA7 MS Standard C13 and N15-labeled recombinant protein (NP_008827) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 which may regulate gene expression, morphogenesis, and differentiation. For example, the encoded protein represses the transcription of differentiation-specific genes during keratinocyte proliferation, but this repression is then overcome by differentiation signals. This gene is highly similar to the antennapedia (Antp) gene of Drosophila.
Molecular Mass	25.2 kDa
AA Sequence	MSSSYVNALFSKYTAGASLFQNAEPTSCSFAPNSQSGYGAGAGAFSTVPGLYN VNSPLYQSPFASGYGLGADAYGNLPCASYDQNIPGLCSDLAKGACDKTDEGALHGA AEANFRIYPWMRSSGPDRKRGRQTYTRYQTLELEKEFHFNRYLTRRRRIEIAHALCL TERQIKIWFQNRRMKWKKEHKDEGPTAAAPEGAVPSAAATAAADKADEEDDDEE

 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

EEDEEETRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	HOXA7 homeobox A7 [Homo sapiens (human)]
Official Symbol	HOXA7
Synonyms	HOXA7; homeobox A7; homeo box A7, HOX1, HOX1A; homeobox protein Hox-A7; homeo box A7; homeobox protein HOX-1A; homeobox protein Hox 1.1; ANTP; HOX1; HOX1A; HOX1.1;
Gene ID	3204
mRNA Refseq	NM_006896
Protein Refseq	NP_008827
MIM	142950

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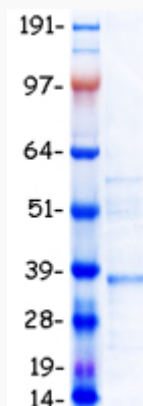
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UniProt ID

P31268

SDS-PAGE

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