

Product datasheet for **TP320703M**

HOXA7 (NM_006896) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human homeobox A7 (HOXA7), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC220703 representing NM_006896

Red=Cloning site **Green**=Tags(s)

MSSSYVNALFSKYTAGASLRFQNAEPTSCSFAPNSQRSGYGAGAGAFASSTVPGLYNVNSPLYQSPFASGY
GLGADAYGNLPCASYDQNIPGLCSDLAKGACDKTDEGALHGAAEANFRIYPWMRSSGPDRKRGRQTYTRY
QTLELEKEFHFNRYLTRRRRIEIAHALCLTERQIKIWFQNRMMKWKKEHKDEGPTAAAAPEGAVPSAAAT
AAADKADEEDDDEEEEEDEEE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 25.2 kDa

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

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: 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°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_008827](#)

Locus ID: 3204

UniProt ID: [P31268](#)



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RefSeq Size: 2018

Cytogenetics: 7p15.2

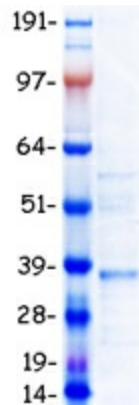
RefSeq ORF: 690

Synonyms: ANTP; HOX1; HOX1.1; HOX1A

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 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*. [provided by RefSeq, Jul 2008]

Protein Families: Transcription Factors

Product images:



Coomassie blue staining of purified HOXA7 protein (Cat# [TP320703]). The protein was produced from HEK293T cells transfected with HOXA7 cDNA clone (Cat# [RC220703]) using MegaTran 2.0 (Cat# [TT210002]).