

## Product datasheet for PH320703

### HOXA7 (NM\_006896) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	HOXA7 MS Standard C13 and N15-labeled recombinant protein (NP_008827)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220703
Predicted MW:	25.2 kDa
Protein Sequence:	>RC220703 representing NM_006896 Red=Cloning site Green=Tags(s)  MSSSYVNALFSKYTAGASLFQNAEPTSCSFAPNSQSRSGYGAGAGAFSTVPGLYVNSPLYQSPFASGY GLGADAYGNLPCASYDQNIPLGLCSDLAKGACDKTDEGALHGAAEANFRIYPWMRSSGPDKRGRQTYTRY QTLELEKEFHFNRYLTRRRRIEIAHALCLTERQIKIWFQNRMKWKKEHKDEGPTAAAAPEGAVPSAAAT AAADKADEEDDDEEEDEEEE  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_008827</a>
RefSeq Size:	2018
RefSeq ORF:	690
Synonyms:	ANTP; HOX1; HOX1.1; HOX1A
Locus ID:	3204
UniProt ID:	<a href="#">P31268</a>



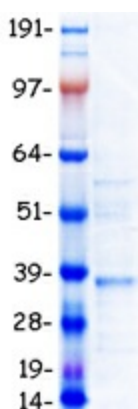
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Cytogenetics: 7p15.2

**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]).