

## Product datasheet for PH300559

### HOXA9 (NM\_152739) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	HOXA9 MS Standard C13 and N15-labeled recombinant protein (NP_689952)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200559
Predicted MW:	30 kDa
Protein Sequence:	>RC200559 representing NM_152739 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MATTGALGNYYVDSFLLGADAADELSVGRYAPGTLGQPPRQAATLAEHPDFSPCSFQSKATVFGASWNPV HAAGANAVPAAYYHHHHHPYVHPQAPVAAAAPDGRYMRSWLEPTPGALSFAGLPSSRPYGIKPEPLSAR RGDCPTLDTHLSLTDYACGSPVDREKQPSEGAFSENNAENESGGDKPPIDPNNPAANWLHARSTRKCR CPYTKHQTLELEKEFLFNMYLTRDRRYEVARLLNLTERQVKIWFQNRMRMKMKKINKDRAKDE  <b>TRTRP</b> LE <b>QKL</b> ISEEDLAANDILDYKDDDDK <b>V</b>
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_689952</a>
RefSeq Size:	2076
RefSeq ORF:	816
Synonyms:	ABD-B; HOX1; HOX1.7; HOX1G
Locus ID:	3205
UniProt ID:	<a href="#">P31269</a>

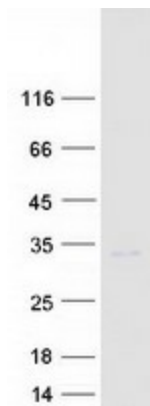


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Cytogenetics: 7p15.2

**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. This gene is highly similar to the abdominal-B (Abd-B) gene of *Drosophila*. A specific translocation event which causes a fusion between this gene and the NUP98 gene has been associated with myeloid leukemogenesis. Read-through transcription exists between this gene and the upstream homeobox A10 (HOXA10) gene.[provided by RefSeq, Mar 2011]

### Product images:



Coomassie blue staining of purified HOXA9 protein (Cat# [TP300559]). The protein was produced from HEK293T cells transfected with HOXA9 cDNA clone (Cat# [RC200559]) using MegaTran 2.0 (Cat# [TT210002]).