

## Product datasheet for PH302939

### HOXA10 (NM\_018951) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	HOXA10 MS Standard C13 and N15-labeled recombinant protein (NP_061824)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202939
Predicted MW:	40.5 kDa
Protein Sequence:	>RC202939 protein sequence Red=Cloning site Green=Tags(s)

MSCSESPAANSFLVDSLISSEGRGEAGGGGGAGGGGGGGYAHGGVYLPAAADLPYGLQSCGLFPTLGGK  
RNEAASPGSGGGGGLGPGAHGYPSPIDLWLDAPRSCRMPPDPPPPQPPPPQPPQPAPQATSC  
SFAQNIKEESSYCLYDSADKCPKVSATAAELAPFPRGPPPDGCALGTSSGVPVPGYFRLSQAYGTAKGYG  
SGGGGAQQLGAGPFPAQPPGRGFDLPPALASGSADAARKERALDSPPPPTLACGSGGGSGQDEEAHASSS  
AAEELSPAPSESSKASPEKDSLGNKGENAANWLTAKSGRKKRCPYTKHQTLLELEKEFLFNMYLTRERRL  
EISRSVHLTDRQVKIWFQNRMKLKKMNRENIRELTANFNFS

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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_061824</a>
RefSeq Size:	2648
RefSeq ORF:	1179
Synonyms:	HOX1; HOX1.8; HOX1H; PL
Locus ID:	3206



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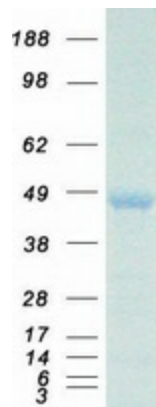
UniProt ID: [P31260](#)

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 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. [provided by RefSeq, Mar 2011]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified HOXA10 protein (Cat# [TP302939]). The protein was produced from HEK293T cells transfected with HOXA10 cDNA clone (Cat# [RC202939]) using MegaTran 2.0 (Cat# [TT210002]).