

## Product datasheet for PH314217

### HOXB1 (NM\_002144) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	HOXB1 MS Standard C13 and N15-labeled recombinant protein (NP_002135)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214217
Predicted MW:	32 kDa
Protein Sequence:	>RC214217 representing NM_002144 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MDYNRMNSFLEYPLCNRGPSAYSASHSAPTSFPPSSAQAVDSYASEGRYGGGLSSPAFQQNSGYPAQQPPS TLGVFPSSAPSGYAPAACSPSYGSPQYYPLGQSEGDGGYFHPSSYGAQLGGLSDGYGAGGAGPGPYPPQ HPPYGNEQTASFAPAYADLLSEDKETPCPSEPNTPTARTFDWMKVKRNPPKTAKVSEPLGSPSGLRTNF TTRQLTELEKEFHFNKYLRSARRVEIAATLELNETQVKIWFQNRMRKQKKREREERGVPPAPPGCPKEAA GDASDQSTCTSPEASPSSVTS  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</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:	<u><a href="#">NP_002135</a></u>
RefSeq Size:	1014
RefSeq ORF:	903
Synonyms:	HCFP3; Hox-2.9; HOX2; HOX2I
Locus ID:	3211



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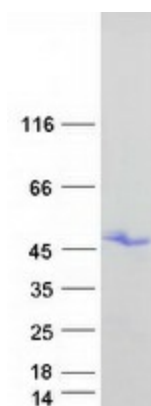
UniProt ID: [P14653](#)

Cytogenetics: 17q21.32

**Summary:** This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXB genes located in a cluster on chromosome 17. [provided by RefSeq, Jul 2008]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified HOXB1 protein (Cat# [TP314217]). The protein was produced from HEK293T cells transfected with HOXB1 cDNA clone (Cat# [RC214217]) using MegaTran 2.0 (Cat# [TT210002]).