

## Product datasheet for **TP314217M**

### **HOXB1 (NM\_002144) Human Recombinant Protein**

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human homeobox B1 (HOXB1), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC214217 representing NM\_002144

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

MDYNRMNSFLEYPLCNRGPSAYSAHSAPTSFPSSAQAVDSYASEGRYGGGLSSPAFQQNSGYPAQQPPS  
TLGVFPSSAPSGYAPAACSPSYGPSQYYPLGQSEGDGGYFHPSSYGAQLGGLSDGYGAGGAGPGPYPPQ  
HPPYGNEQTASFAPAYADLLSEDKETPCPSEPNTPTARTFDWMKVKRNPPTAKVSEPLGSPSGLRTNF  
TTRQLTELEKEFHFNKYLSRARRVEIAATLELNETQVKIWFQNRMMKQKKREREGRVPPAPPGCPKEAA  
GDASDQSTCTSPEASPSVTS

**TRTRPLEQLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 32 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\\_002135](#)

**Locus ID:** 3211



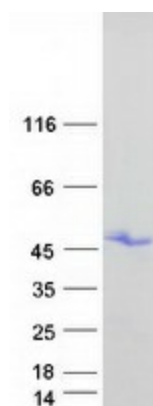
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UniProt ID: [P14653](#)  
RefSeq Size: 1014  
Cytogenetics: 17q21.32  
RefSeq ORF: 903  
Synonyms: HCFP3; Hox-2.9; HOX2; HOX2I

**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]).