

## Product datasheet for **TP304197L**

### **HOXB6 (NM\_018952) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human homeobox B6 (HOXB6), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204197 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MSSYFVNSTFPVTLASGQESFLGQLPLYSSGYADPLRHYPAPYGP GPGQDKGFATSSYPPAGGGYGRAA PCDYGPAPAFYREKESACALSGADEQPPFHPEPRKSDCAQDKSVFGETEEQKCSTPVYPWMQRMNSCNSS SFGPSGRRGRQTYTRYQTLELEKEFHYNRYLTRRRRIEIAHALCLTERQIKIWFQNRMRKWKESKLLSA SQLSAEEEEEEKQAE  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	25.3 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:	<a href="#">NP_061825</a>
Locus ID:	3216
UniProt ID:	<a href="#">P17509</a>



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RefSeq Size: 1686

Cytogenetics: 17q21.32

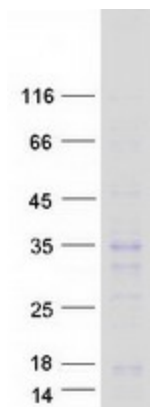
RefSeq ORF: 672

Synonyms: Hox-2.2; HOX2; HOX2B; HU-2

**Summary:** This gene is a member of the Antp homeobox family and encodes a protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded protein functions as a sequence-specific transcription factor that is involved in development, including that of lung and skin, and has been localized to both the nucleus and cytoplasm. Altered expression of this gene or a change in the subcellular localization of its protein is associated with some cases of acute myeloid leukemia and colorectal cancer. [provided by RefSeq, Jul 2008]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified HOXB6 protein (Cat# [TP304197]). The protein was produced from HEK293T cells transfected with HOXB6 cDNA clone (Cat# [RC204197]) using MegaTran 2.0 (Cat# [TT210002]).