

Product datasheet for **TP304197M**

HOXB6 (NM_018952) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human homeobox B6 (HOXB6), 100 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC204197 protein sequence
Red=Cloning site **Green**=Tags(s)

MSSYFVNSTFPVTLASGQESFLGQLPLYSSGYADPLRHYPAPYGP GPGQDKGFATSSYPPAGGGYGRAA
PCDYGPAPAFYREKESACALSGADEQPPFHPEPRKSDCAQDKSVFGETEEQKCSTPVYPWMQRMNSCNSS
SFGPSGRRGRQTYTRYQTLELEKEFHYNRYLTRRRRIEIAHALCLTERQIKIWFQNRMRMKWKESKLLSA
SQLSAEEEEKQAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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: [NP_061825](#)

Locus ID: 3216

UniProt ID: [P17509](#)



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RefSeq Size: 1686

Cytogenetics: 17q21.32

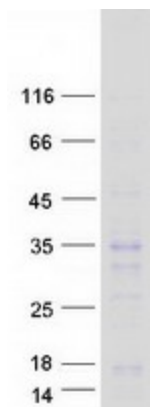
RefSeq ORF: 672

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]).