

Product datasheet for PH304495

HOXB7 (NM_004502) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HOXB7 MS Standard C13 and N15-labeled recombinant protein (NP_004493)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204495
Predicted MW:	24 kDa
Protein Sequence:	>RC204495 protein sequence Red =Cloning site Green =Tags(s) MSSLYYANALFSKYPASSSVFATGAFPEQTSCAFASNPQRPYGAGSGASFAASMQGLYPGGGMAGQSA AGVYAAGYGLEPSSFMHCAPFEQNL SGVCPGDSAKAAGAKEQRDSDLAAESNFRIYPWMRSGTDRKRG RQTYTRYQTLELEKEFHYNRYLTRRRRIEIAHTLCLTERQIKIWFQNRMKWKKENKTAGPGTTGQDRAE AEEEEEE TRTRP LE QKLISEEDLAANDILDYKDDDDK V
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	NP_004493
RefSeq Size:	1377
RefSeq ORF:	651
Synonyms:	HHO.C1; Hox-2.3; HOX2; HOX2C
Locus ID:	3217
UniProt ID:	P09629



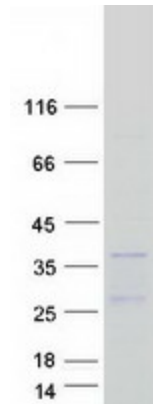
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Cytogenetics: 17q21.32

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 nuclear protein functions as a sequence-specific transcription factor that is involved in cell proliferation and differentiation. Increased expression of this gene is associated with some cases of melanoma and ovarian carcinoma. [provided by RefSeq, Jul 2008]

Protein Families: Transcription Factors

Product images:



Coomassie blue staining of purified HOXB7 protein (Cat# [TP304495]). The protein was produced from HEK293T cells transfected with HOXB7 cDNA clone (Cat# [RC204495]) using MegaTran 2.0 (Cat# [TT210002]).