

## Product datasheet for PH303540

### B MyB (MYBL2) (NM\_002466) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	MYBL2 MS Standard C13 and N15-labeled recombinant protein (NP_002457)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203540
Predicted MW:	78.8 kDa
Protein Sequence:	>RC203540 protein sequence Red=Cloning site Green=Tags(s)

MSRRTRCEDLDELHYQDTSADVPEQRDSKCKVKWTHEEDEQLRALVRFQGGQDWKFLASHFNPRTDQQCQ  
YRWLRVLPDLVKGWTKKEDQKVIELVKYGTQWTLIAKHLKGRGKQCRERWHNHLNPEVKKSCWTE  
EEDRIICEAHKVLGNRWAEIAKMLPGRDNAVKNHWNSTIKRKVDGGLSEKDKCPPVYLLLELEDKD  
GLQSAQPTGQGSLLTNWPSVPPTIKEEENSEEELAAATTSKEQEPIGTDLDAVRTPEPLEEFPKREDQE  
GSPPETSLPYKWVVEANLLIPAVGSSLSEALDIESDPDAWCDLSKFDLPEEPSAEDSINNSLVQLQAS  
HQQQVLPQRQPSALVPSVTEYRLDGHITISDLRSRSGELIPIISPSTEVGGSGIGTPPSVLKRQRKRRVAL  
SPVTENSTLSFLDSCNSLTPKSTPVKTLPFSPSQFLNFWNKQDTLELESPLSTSTPVCSQKVVVTTPLH  
RDKTPLHQKHAAFVTPDQKYSMDNTPHTPTPFKNALEKYGPLKPLPQTPHLEEDLKEVLRSEAGIELIIE  
DDIRPEKQKRKPLRRSPIKKVRKSLALDIVDEDVKLMMSTLPKSLSLPTTAPSNSSSLTLSGIKEDNSL  
LNQGFLLQAKPEKAAVAQKPRSHFTTPAPMSSAWKTVACGGTRDQLFMQEAKARQLLGRKPSHTSRTLILS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	<a href="#">NP_002457</a>
RefSeq Size:	2785



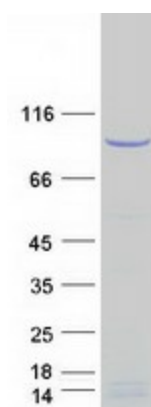
[View online »](#)

RefSeq ORF:	2100
Synonyms:	B-MYB; BMYB
Locus ID:	4605
UniProt ID:	<a href="#">P10244</a>
Cytogenetics:	20q13.12

**Summary:** The protein encoded by this gene, a member of the MYB family of transcription factor genes, is a nuclear protein involved in cell cycle progression. The encoded protein is phosphorylated by cyclin A/cyclin-dependent kinase 2 during the S-phase of the cell cycle and possesses both activator and repressor activities. It has been shown to activate the cell division cycle 2, cyclin D1, and insulin-like growth factor-binding protein 5 genes. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2013]

**Protein Families:** Druggable Genome, Stem cell - Pluripotency, Transcription Factors

### Product images:



Coomassie blue staining of purified MYBL2 protein (Cat# [TP303540]). The protein was produced from HEK293T cells transfected with MYBL2 cDNA clone (Cat# [RC203540]) using MegaTran 2.0 (Cat# [TT210002]).