

Product datasheet for PH300807

Lamin B2 (LMNB2) (NM_032737) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	LMNB2 MS Standard C13 and N15-labeled recombinant protein (NP_116126)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200807
Predicted MW:	69.9 kDa
Protein Sequence:	>Peptide sequence encoded by RC200807 Blue=ORF Red=Cloning site Green=Tag(s)

MSPSPGRRREQRRPRAAATMATPLPGRAGGPATPLSPTRL SRLQEKEELRELNDRLAHYIDRVRALEL
ENDRLLKISEKEEVTREVSIGIKALYESELADARRVLDetarERARLQIEIGKLRaelDEVNKSakkr
EGELTVAQGRVKDLESLFHRSEVELAAALSDKRGLESDVAELRAQLAKAEDGHAVAKKQLEKETLMRVD
LENRCQSLQEELDFRKSVFEEVRETRRRHERRLVEVDSSRQEQEYDFKMAQALEELRSQHDEQVRLYKL
ELEQTYQAKLDSAKLSSDQNDKAASAAREELKEARMRLESLSYQLSGLQKQASAAEDRIREEEAMAGE
RDKFRKMLDAKEQEMEMRDVMQQQLAEYQELLDVKLALDMEINAYRKLLEGEERLKLSPSPSSRVTV
SRATSSSSGSLSATGRLGRSKRKRLEVEEPLGSGPSVLGTGTGGSGGFHLAQQASASGSVSIEEIDLEG
KFVQLKNNSDKDQSLGNWRIKRQVLEGEIEAYKFTPKYILRAGQMVTVWAAGAGVAHSPSTLVWKGQS
SWGTFESFRTVLVNADGEEVAMRTVKKSSVMRENENGEIEEFGEEDLFHQQGDPRRTSRGCYVM
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Recombinant protein using RC200807 also available, [TP300807](#)

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:	NP_116126
RefSeq Size:	4644

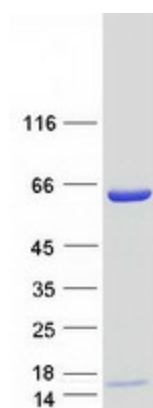


[View online »](#)

RefSeq ORF:	1860
Synonyms:	EPM9; LAMB2; LMN2; MCPH27
Locus ID:	84823
UniProt ID:	Q03252
Cytogenetics:	19p13.3

Summary: This gene encodes a B type nuclear lamin. The nuclear lamina consists of a two-dimensional matrix of proteins located next to the inner nuclear membrane. The lamin family of proteins make up the matrix and are highly conserved in evolution. During mitosis, the lamina matrix is reversibly disassembled as the lamin proteins are phosphorylated. Lamin proteins are thought to be involved in nuclear stability, chromatin structure and gene expression. Vertebrate lamins consist of two types, A and B. Mutations in this gene are associated with acquired partial lipodystrophy. [provided by RefSeq, May 2012]

Product images:



Coomassie blue staining of purified LMNB2 protein (Cat# [TP300807]). The protein was produced from HEK293T cells transfected with LMNB2 cDNA clone (Cat# [RC200807]) using MegaTran 2.0 (Cat# [TT210002]).