

Product datasheet for TP509436

Lmnb2 (NM_010722) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse lamin B2 (Lmnb2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209436 representing NM_010722 Red=Cloning site Green=Tags(s)

MASLPPHAGPATPLSPTRLSRLQEKEELRELNDRLAHYIDRVRALELENDRLLLRISEKEEVTREVS
GIKTYESELADARRVLDETARERARLQIEIGKQVQAELEEARKSAKKREGELTVAQGRVKDLESLFHRSEAE
LATALSDKQGLETEVAELRAQLAKAEDGHAVAKKQLEKETLMRVDLENRCQSLQEELAFSKSVFEEVRE
TRRRHERRLVEVDSSRQQEYDFKMAQALEDLRSQHDEQVRLYRVELEQTYQAKLDNAKLLSDQNDKAAHA
AREELKEARMRVESLSYQLLGLQKQASAAENHIHELEEFALAGERDKFRKMLDAKEQEMTEVRDAMQQQLA
EYQELLDIKLALDMEISAYRKLLLEGEEERLKLSPSPSSRITISRATSSSSSSSGVGMVSGQGRGKRRRLE
TEDTSGSPSRASRVSSGSRLAQQTVAATGVVNIIDEVDPEGRFVRLKNSSDKDQSLGNWRIKRQVLEGEDIA
YKFTPKYVLRAGQTVTWAAAGAGATHSPPSTLVWKSQTNWGPGESFRTALVSADGEEVAVKAAKHSSVQG
RENGEEEEEEAEFGEEEDLFHQQGDPRTTSRGCRML

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	67.3 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_034852](#)

Locus ID: 16907

UniProt ID: [P21619](#)

RefSeq Size: 3389

Cytogenetics: 10 39.72 cM

RefSeq ORF: 1788

Summary: This gene encodes a protein component of the nuclear lamina, which provides a structural framework for the nuclear envelope. Defects in this gene were found to cause abnormalities in the shape of neurons. This locus represents one of two B-type lamin genes that may be partially, but not entirely, functionally redundant in neuronal development. Loss of both B-type lamin genes in keratinocytes results in ichthyosis and a skin barrier defect leading to dehydration. Alternative transcriptional initiation and splicing results in multiple transcript variants and protein isoforms, including an isoform with a shorter N-terminal rod domain that may function in nuclear envelope remodeling during spermatogenesis. A related pseudogene is found on chromosome 5. [provided by RefSeq, Sep 2017]