

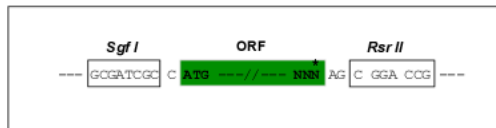
Product datasheet for **MG209436**

Lmnb2 (BC042430) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Lmnb2 (BC042430) Mouse Tagged ORF Clone
 Tag: TurboGFP
 Symbol: Lmnb2
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 Restriction Sites: SgfI-RsrII
 Cloning Scheme:

Cloning sites used for ORF Shuttling:



Kozac
Consensus

EcoRI BamHI KpnI RBS SgfI AscI

CTATAGGCGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCCGCGATCGCCGGCGCCAGATCT

HindIII NheI RsrII MluI NotI XhoI GFP Tag

CAAGCTTAAGTACTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC - - - - -

T R T R P L E M E S D - - -

PmeI FseI

- - - GAA GAA AGA GTT TAA ACGGCCGGCCCGGAGCT

- - - E E R V Stop

ACCN: BC042430
 ORF Size: 1845 bp



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OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	BC042430 , AAH42430
RefSeq Size:	3391 bp
RefSeq ORF:	1847 bp
Locus ID:	16907
Cytogenetics:	10 39.72 cM
Gene 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]