

Datasheet for ABIN7505477

Lamin B1 Protein (LMNB1) (AA 387-587) (His tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Lamin B1 (LMNB1)
Protein Characteristics:	AA 387-587
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Lamin B1 protein is labelled with His tag.

Product Details

Sequence:	Arg387-Met587
Characteristics:	A DNA sequence encoding the Rat Lamin B1 (P70615-1) (Arg387-Met587) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.

Target Details

Target:	Lamin B1 (LMNB1)
Alternative Name:	Lamin B1 (LMNB1 Products)
Background:	Abbreviation: Lamin B1 Target Synonym: ADLD,lamin B1,Lamin-B1,LMN,LMN2,LMNB,Lmnbl,LMNB1,MGC111419,OTTHUMP00000159218 Background: The nuclear lamina consists of a two-dimensional matrix of proteins located next

Target Details

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. This gene encodes one of the two B type proteins, B1. Alternative splicing results in transcript variants and a duplication of this gene is associated with autosomal dominant adult-onset leukodystrophy (ADLD).

Molecular Weight: Calculated MW: 22.1 kDa
Observed MW: 25.4 kDa

UniProt: [P70615-1](#)

Pathways: [Apoptosis, Caspase Cascade in Apoptosis](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months