

Datasheet for ABIN7320810

LUM Protein (His tag)**1** Image[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	LUM
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LUM protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Lumican/LUM Protein (His Tag)
Sequence:	Gln19-Asn338
Characteristics:	Recombinant Mouse Lumican is produced by our Mammalian expression system and the target gene encoding Gln19-Asn338 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	LUM
Alternative Name:	Lumican/LUM (LUM Products)
Background:	Background: Keratan sulfate proteoglycan lumican, mostly known as lumican, belongs to the SLRP class II subfamily and the small leucine-rich proteoglycan (SLRP) family. Lumican binds to laminin. It has positive regulation of transcription from RNA polymerase II promoter and

Target Details

transforming growth factor beta1 production. Lumican is expressed in a variety of tissues, including skin, artery, lung, cornea, kidney, bone, aorta, and articular cartilage. The abnormal connective tissue phenotype seen in the Lumican null mice shows the importance of the role of Lumican in collagen fibrillogenesis. In addition to the control of collagen fibril assembly, Lumican has been shown to play a role in the regulation of cell proliferation, migration, and adhesion.

Synonym: Keratan sulfate proteoglycan lumican,KSPG lumican,Lumican, LDC

Molecular Weight: 37.4 kDa

UniProt: [P51885](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Restrictions: For Research Use only

Handling

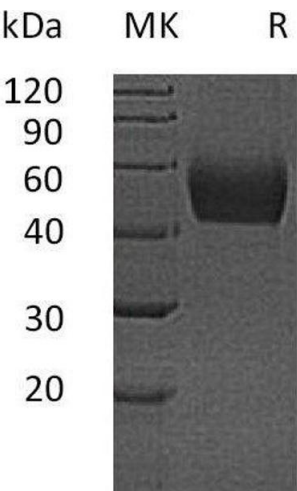
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

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.



Western Blotting

Image 1.