

Datasheet for ABIN7318743 **LUM Protein (His tag)**

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Overview

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

Product Details

Purpose:	Recombinant Human Lumican/LUM Protein (His Tag)
Sequence:	Gln19-Asn338
Characteristics:	Recombinant Human 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: Lumican is a 40 kD secreted protein which belongs to the small leucine-rich repeat proteoglycans (SLRPs) and the class II subfamily. Human Lumican is synthesized as a 338 amino acid precursor then cut the 18 aa signal sequence. The mature Human Lumican

Target Details

contains 12 leucine-rich repeats (LRRs), 4 potential sites of N-linked glycosylation, and a C-terminal with two conserved cysteines. Lumican can be existed in extracellular matrix of human articular cartilage. Lumican participates in the maintenance of tissue homeostasis and regulates cellular functions in vivo, such as cell proliferation, adhesion, migration, and differentiation. The overexpression of lumican has been correlated to colorectal tumor, breast, neuroendocrine, and pancreatic cancers.

Synonym: Lumican, Keratan Sulfate Proteoglycan Lumican, KSPG Lumican, LUM, LDC, SLRR2D

Molecular Weight:	37.7 kDa
UniProt:	P51884
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 1 mM EDTA, pH 7.2.
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.