

Recombinant Human Lumican (C-6His)

Catalog No: C372

Description	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.
Source	Human Cells
Alternative name	Lumican; Keratan Sulfate Proteoglycan Lumican; KSPG Lumican; LUM; LDC; SLRR2D
Accession No.	P51884
Predicted Molecular Weight	37.7kDa
AP Molecular Weight	40-60kDa, reducing conditions.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 1mM EDTA, pH 7.2.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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 contains 12 leucine-rich repeats (LRRs), 4 potential sites of N- linked glycosylation, and a C- terminal with two conserved cyst-eines. 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.

SDS-Page

