

## 32-7341: Recombinant Human Lumican/LUM (C-6His)

**Gene :** LUM  
**Gene ID :** 4060  
**Uniprot ID :** P51884

### Description

Source: Human Cells.  
MW :37.7kD.

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. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 1mM EDTA, pH 7.2.  
**Storage condition :** 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.  
**Amino Acid :** QYYDYDFPLSIYGQSSPNCAPECNCPEYSYPSAMYCDELKLSVPMVPPGIKYLRLRNNQIDHIDEKAFENVTDLQWLILDHNLLENSKIKGRVFSKLGKQLKHLHNNLTSVGLPKSLEDLQLTHNKITKLGSEGLVNLTFIHLQHNRLKEDAVSAAFGLKSLEYLDLSFNQIARLPVGLVSLTLYLDNNKISNIPDEYFKRFNALQYLRSLSHNELADSGIPGNSFNVSSLVELDLSYNKLNIPVNLNENLENYLEVNQLEKFDIKSFCKILGPLSYSKIKHLRLDGNRISETSLPPDMYECLRVANEVTLNVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.