

LUM, 19-338aa, Human, His-tag, Baculovirus

Cat.NO.: TP02858

3th Edition

Synonyms:Lumican, LUM, LDC, SLRR2D.

Description:LUM, also known as lumican, is a member of the class II small leucine-rich proteoglycan family. It is a major component of the cornea, dermal, and muscle connective tissues. It regulates collagenous matrix assembly as a keratan sulfate proteoglycan in the cornea and is also present in the connective tissues of other organs and embryonic corneal stroma as a glycoprotein. It may regulate collagen fibril organization and circumferential growth, corneal transparency, and epithelial cell migration and tissue repair. Recombinant human LUM, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:37.7kDa (329aa), 40-57kDa (SDS-PAGE under reducing conditions)

Sequences:

ADLQYYDYDFPLSIYGQSSPNCAPCNCPE SYPSAMYCDELKLSVPMVPPGIKYLRLRNNQIDHIDEKAFENVTDL
QWLILDHNLENSKIKGRVFSKQLKQLKHLINHNLTESVGPLPKSLEDLQLTHNKITKLSFEGLVNLTFIHLQHNRL
KEDAVSAAFGLKSLEYLDLSFNQIARLPSGLPVSLTLYLDNNKISNIPDEYFKRFNALQYLRLSHNELADSGIPGNS
FNVSSLVELDLSYNKLNIPVTVNENLENYLEVNQLEKFDIKSFCKILGPLSYSKIKHLRLDGNRISETSLPPDMYECL
RVANEVTLNHHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.