

Lumican/LUM Recombinant Protein | LUM recombinant protein

Recombinant Human Lumican/LUM Protein

CATALOG #
AAA281512

HOST
HEK293 Cells

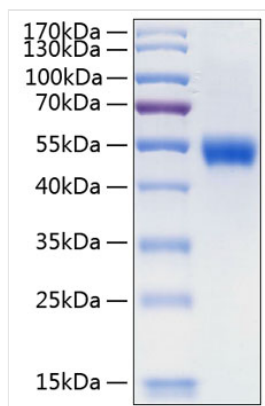
PRODUCT SYNONYMS

Lumican/LUM; Recombinant Human Lumican/LUM Protein; LDC; SLRR2D; LUM; lumican; LUM recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>95% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Sequence Length	338
Species	Human
Endotoxin	< 0.1 EU/ug of the protein by LAL method.
Reconstitution	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Tag	C-His
Preparation and Storage	Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

IMAGES



SDS-PAGE

Recombinant Human Lumican/LUM Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 45-60 kDa.

ADDITIONAL INFORMATION

Related Product Information for LUM recombinant protein	Description: Recombinant Human Lumican/LUM Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln19-Asn338) of human Lumican/LUM (Accession #NP_002336.1) fused with a 6xHis tag at the C-terminus. Background: Lumican is a member of the family of small leucine-rich repeat proteoglycans (SLRPs) and the class II subfamily, which is a major component of the cornea, dermal, and muscle connective tissues. Lumican is the major keratan sulfate proteoglycan of the cornea but is also distributed in interstitial collagenous matrices throughout the body. Lumican 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. Lumican may regulate collagen fibril organization and circumferential growth, corneal transparency, and epithelial cell migration and tissue repair. Lumican's over-expression has been reported in carcinoid tumor, breast, colorectal, neuroendocrine, uterine cervical and pancreatic cancers
Product Categories/Family for LUM recombinant protein	Other Recombinant Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505047
NCBI GeneID	4060
NCBI Accession #	NP_002336.1
NCBI GenBank Nucleotide #	NP_002336.1
UniProt Accession #	P51884
NCBI Official Full Name	lumican
NCBI Official Synonym Full Names	lumican
NCBI Official Symbol	LUM
NCBI Official Synonym Symbols	LDC; SLRR2D
NCBI Protein Information	lumican
UniProt Protein Name	Lumican
UniProt Gene Name	LUM
UniProt Synonym Gene Names	LDC; SLRR2D; KSPG lumican
UniProt Entry Name	LUM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/lum-recombinant-protein-hek293-cells/281512>