

Lumican/LUM Protein, Human (HEK293, His)

Cat. No.:	HY-P70369
Synonyms:	rHuLumican/LUM, His; Lumican; Keratan Sulfate Proteoglycan Lumican; KSPG Lumican; LUM; LDC; SLRR2D
Species:	Human
Source:	HEK293
Accession:	P51884 (Q19-N338)
Gene ID:	4060
Molecular Weight:	40-60 kDa

PROPERTIES

AA Sequence	<pre> Q Y Y D Y D F P L S I Y G Q S S P N C A P E C N C P E S Y P S A M Y C D E L K L K S V P M V P P G I K Y L Y L R N N Q I D H I D E K A F E N V T D L Q W L I L D H N L L E N S K I K G R V F S K L K Q L K K L H I N H N N L T E S V G P L P K S L E D L Q L T H N K I T K L G S F E G L V N L T F I H L Q H N R L K E D A V S A A F K G L K S L E Y L D L S F N Q I A R L P S G L P V S L L T L Y L D N N K I S N I P D E Y F K R F N A L Q Y L R L S H N E L A D S G I P G N S F N V S S L V E L D L S Y N K L K N I P T V N E N L E N Y Y L E V N Q L E K F D I K S F C K I L G P L S Y S K I K H L R L D G N R I S E T S L P P D M Y E C L R V A N E V T L N </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 1 mM EDTA, pH 7.2.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Lumican, also known as LUM protein, is a protein that possesses the ability to bind to laminin. Laminin is a key component of the extracellular matrix, a complex network of molecules that provides structural support to tissues. The binding of lumican to laminin suggests its involvement in the regulation of cellular interactions and tissue organization. However, further research is required to fully understand the specific mechanisms and functional implications of lumican's
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interaction with laminin, as well as its potential role in various physiological and pathological processes.

Caution: Product has not been fully validated for medical applications. For research use only.

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