Lumican/LUM Protein, Mouse (HEK293, His)

Cat. No.:	HY-P70370
Synonyms:	rMuLumican, His; Keratan sulfate proteoglycan lumican; KSPG lumican; Lumican
Species:	Mouse
Source:	HEK293
Accession:	P51885 (Q19-N338)
Gene ID:	17022
Molecular Weight:	40-60 kDa

PROPERTIES

AA Sequence	Q Y Y D Y D I P L F M Y G Q I S P N C A P E C N C P H S Y P T A M Y C D D 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 K V F S K L K Q L K K L H I N Y N N L T E S V G P L P K S L Q D L Q L T N N K I S K L G S F D G L V N L T F I Y L Q H N Q L K E D A V S A S L K G L K S L E Y L D L S F N Q M S K L P A G L P T S L L T L Y L D N N K I S N I P D E Y F K R F T G L Q Y L R L S H N E L A D S G V P G N S F N I S S L L E L D L S Y N K L K S I P T V N E N L E N Y Y L E V N E L E K F D V K S F C K I L G P L S Y S K I K H L R L D G N P L T Q S S L P P D M Y E C L R V A N E I T V N
Biological Activity	Measured by the ability of the immobilized protein to support the adhesion of A375 cells. When 5×10^4 cells per well are added to LUM coated plates (10 μg/mL, 100 μL/well) 52.73% will adhere after 30 minutes at 37°C.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. 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/LUM protein exhibits a specific binding affinity for laminin.

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA