

**AR51311PU-N****Human Lumican (19-338, His-tag) - Purified**

<b>Alternate names:</b>	KSPG lumican, Keratan sulfate proteoglycan lumican, LDC, LUM, SLRR2D
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	1.0 mg/ml (determined by Bradford assay)
<b>Background:</b>	LUM is a member of the small leucine-rich proteoglycan (SLRP) family that includes decorin, biglycan, fibromodulin, keratocan, epiphygan, and osteoglycin. In these bifunctional molecules, the protein moiety binds collagen fibrils and the highly charged hydrophilic glycosaminoglycans regulate interfibrillar spacings. Lumican is the major keratan sulfate proteoglycan of the cornea but is also distributed in interstitial collagenous matrices throughout the body. Lumican may regulate collagen fibril organization and circumferential growth, corneal transparency, and epithelial cell migration and tissue repair.
<b>Uniprot ID:</b>	<a href="#">P51884</a>
<b>NCBI:</b>	<a href="#">NP_002336</a>
<b>GeneID:</b>	<a href="#">4060</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >90% by SDS - PAGE <b>Buffer System:</b> 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
<b>Description:</b>	Recombinant human LUM protein, fused to His-tag at N-terminus, was expressed in E.coli. <b>AA Sequence:</b> MGS SHHHHHH S SGLVPRGSH MGSQYDYDF PLSIYGQSSP NCAPECNCPE SYPSAMYCDE LKLKSVPMVP PGIKYLRLRN NQIDHIDEKA FENVTDLQWL ILDHNLLENS KIKGRVFSKL KQLKKLHINH NNLTESVGPL PKSLEDLQLT HNKITKLG SF EGLVNLTFIH LQHNRLKEDA VSAAFKGLKS LEYLDL SFNQ IARLPSGLPV SLLTLYLDNN KISNIPDEYF KRFNALQYLR LSHNELADSG IPGNSFNVSS LVELDLSYNK LKNIPTVNEN LENYYLEVNQ LEKFDIKSFC KILGPLSYSK IKHLRLDGNR ISETSLPPDM YECLRVANEV TLN <b>Molecular weight:</b> 39 kDa (343aa)
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	Chakravarti S, Stallings RL, et al. (1995). Genomics. 27(3):481-8.

Pictures:

