

# Recombinant Human Lumican protein ab134894

### Description

<b>Product name</b>	Recombinant Human Lumican protein
<b>Purity</b>	> 90 % SDS-PAGE. ab134894 was expressed in E. coli as inclusion bodies, refolded using temperature shift inclusion body refolding technology, chromatographically purified and sterile-filtered.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>P51884</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	MASMTGGQQMGRGHHHHHHGNLYFQGGEFQYYDYDFPL SIYGQSSPNCAP ECNCPESYPSAMYCDELKLKSVPMVPPGIKYLRLNNQID HIDEKAFENV TDLQWLILDHNNLENSKIKGRVFSKLKQLKKLHINHNLTES VGPLPKSL EDLQLTHNKITKLGSFEGLVNLTFIHLQHNRLKEDAVSAAF KGLKSLEYL DLSFNQIARLPISGLPVSLTLYLDNNKISNIPDEYFKRFNAL QYRLSHN ELADSGIPGNSFNVSSLVELDLSYNKLKNIPTV/NENLENY LEVNQLEKF DIKSFCKILGPLSYSKIKHLRLDGNRISETSLPPDMYECLRV ANEVTLN
<b>Predicted molecular weight</b>	40 kDa including tags
<b>Amino acids</b>	15 to 338
<b>Tags</b>	His tag N-Terminus , T7 tag N-Terminus

### Specifications

Our **Abpromise guarantee** covers the use of **ab134894** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
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**Form** Liquid

## Preparation and Storage

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**Stability and Storage** Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.  
pH: 8.00  
Constituents: 0.05% DTT, 0.32% Tris HCl, 0.02% EDTA, 3.4% DL-Arginine  
  
Buffer contains: Sodium chloride, Potassium chloride and Glycerol.

## General Info

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**Tissue specificity** Cornea and other tissues.

**Sequence similarities** Belongs to the small leucine-rich proteoglycan (SLRP) family. SLRP class II subfamily.  
Contains 11 LRR (leucine-rich) repeats.  
Contains 1 LRRNT domain.

**Developmental stage** Present in the extracellular matrix of human articular cartilage at all ages, although its abundance is far greater in the adult. In the adult cartilage lumican exists predominantly in a glycoprotein form lacking keratan sulfate, whereas the juvenile form of the molecule is a proteoglycan.

**Post-translational modifications** Sulfated on tyrosine residue(s).

**Cellular localization** Secreted > extracellular space > extracellular matrix.

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
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- We provide support in Chinese, English, French, German, Japanese and Spanish
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