

Product datasheet

Recombinant Human Lumican protein ab151646

Description

Product name	Recombinant Human Lumican protein
Purity	> 95 % SDS-PAGE. ab151646 was determined to be >95% pure by SEC-HPLC and reducing SDS-PAGE.
Endotoxin level	< 1.000 Eu/μg
Expression system	HEK 293 cells
Accession	<u>P51884</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	QYYDYDFPLSIYGQSSPNCAPECNCPESYPSAMYCDELKL KSVPMVPPGI KYLRLRNNQIDHIDEKAFENVTDLQWLILDHNLLENSKIKGR VFSKCLKQL KKLHINHNNLTESVGPLPKSLEDLQLTHNKITKLGSEGLV NLTFIHLQH NRLKEDAVSAAFKGLKSLEYLDLSFNQIARLPGLPVSLLT LYLDNNKIS NIPDEYFKRFNALQYLRLSHNELADSGIPGNSFNVSSLVEL DLSYNKLN IPTVNENLENYLEVNQLEKFDIKSFCKILGPLSYSKIKHLRL DGNRISE TSLPPDMECLRVANEVTLNVDHHHHHH
Predicted molecular weight	37 kDa
Amino acids	19 to 338
Tags	His tag C-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab151646** in the following tested applications.

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

Applications	SDS-PAGE HPLC
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Form	Lyophilized
Additional notes	<p>ab151646 was produced by transfected Human cells.</p> <p>The apparent molecular mass of the protein is approximately 60kDa in SDS-PAGE under reducing conditions due to glycosylation.</p>
Preparation and Storage	
Stability and Storage	<p>Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.</p> <p>pH: 7.20</p> <p>Constituents: 99% Phosphate Buffer, 0.03% EDTA, 0.88% Sodium chloride</p>
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS.
General Info	
Tissue specificity	Cornea and other tissues.
Sequence similarities	<p>Belongs to the small leucine-rich proteoglycan (SLRP) family. SLRP class II subfamily.</p> <p>Contains 11 LRR (leucine-rich) repeats.</p> <p>Contains 1 LRRNT domain.</p>
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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