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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

LUM (Human) Recombinant Protein (P01)

Catalog Number: H00004060-P01

Regulation Status: For research use only (RUO)

Product Description: Human LUM full-length ORF (NP_002336.1, 1 a.a. - 338 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MSLSAFTLFLALIGGTSGQYYDYDFPLSIYQGSSPNCA
PECNCPESYPSAMYCDELKLSVPMVPPGIKYLRLRN
NQIDHIDEKAFENVTDLQWLILDHNLLENSKIKGRVFSK
LKQLKKLHINHNNLTESVGPLPKSLEDLQLTHNKITKLG
SFEGLVNLTFIHLQHNRLKEDAVSAAFGLKSLEYLDL
SFNQIARLPGLPVSLTLYLDNNKISNIPDEYFKRFNA
LQYLRLSHNELADSGIPGNFSNVSSLVELDLSYNKLKNI
PTVNENLENYYLEVNQLEKFDIKSFCKILGPLSYSKIKH
LRLDGNRISETSLPPDMYECLRVANEVTLN

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 64.8

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4060

Gene Symbol: LUM

Gene Alias: LDC, SLRR2D

Gene Summary: This gene encodes a member of the small leucine-rich proteoglycan (SLRP) family that includes decorin, biglycan, fibromodulin, keratocan, epiphykan, 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. [provided by RefSeq]

References:

1. Fibrinogen, Riboflavin, and UVA to Immobilize a Corneal Flap - Molecular Mechanisms. Littlechild SL, Zhang Y, Tomich JM, Conrad GW. Invest Ophthalmol Vis Sci. 2012 Sep 6;53(10):5991-6003. Print 2012.
2. Effects of Ultraviolet-A and Riboflavin on the Interaction of Collagen and Proteoglycans during Corneal Cross-linking. Zhang Y, Conrad AH, Conrad GW. J Biol Chem. 2011 Apr 15;286(15):13011-22. Epub 2011 Feb 18.