Datasheet for ABIN7520299

LUM Protein (His tag)

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Overview

Quantity:	10 µg
Target:	LUM
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LUM protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Lumican/LUM Protein
Sequence:	QYYDYDFPLS IYGQSSPNCA PECNCPESYP SAMYCDELKL KSVPMVPPGI KYLYLRNNQI DHIDEKAFEN VTDLQWLILD HNLLENSKIK GRVFSKLKQL KKLHINHNNL TESVGPLPKS LEDLQLTHNK ITKLGSFEGL VNLTFIHLQH NRLKEDAVSA AFKGLKSLEY LDLSFNQIAR LPSGLPVSLL TLYLDNNKIS NIPDEYFKRF NALQYLRLSH NELADSGIPG NSFNVSSLVE LDLSYNKLKN IPTVNENLEN YYLEVNQLEK FDIKSFCKIL GPLSYSKIKH LRLDGNRISE TSLPPDMYEC LRVANEVTLN
Specificity:	Gln19-Asn338
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.

Target Details

Target:	LUM
Alternative Name:	Lumican/LUM (LUM Products)
Background:	Description: Lumican is a member of the family of small leucine-rich repeat proteoglycans (SLRPs) and the class II subfamily .which is a major component of the cornea, dermal, and muscle connective tissues. Lumican is the major keratan sulfate proteoglycan of the cornea but is also distributed in interstitial collagenous matrices throughout the body. Lumican regulates collagenous matrix assembly as a keratan sulfate proteoglycan in the cornea and is also present in the connective tissues of other organs and embryonic corneal stroma as a glycoprotein. Lumican may regulate collagen fibril organization and circumferential growth, corneal transparency, and epithelial cell migration and tissue repair. Lumican's over-expression has been reported in carcinoid tumor, breast, colorectal, neuroendocrine, uterine cervical and pancreatic cancers Name: LDC, SLRR2D,LUM,SLRR2D,lumican
Gene ID:	4060
UniProt:	P51884
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.