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Datasheet for ABIN5854707

LUM Protein (AA 19-338) (His tag)

Overview

Quantity:	50 µg
Target:	LUM
Protein Characteristics:	AA 19-338
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LUM protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ADLQYYDYDF PLSIYGQSSP NCAPECNCPE SYPSAMYCDE LKLKSVPMVP PGIKYLRLRN NQIDHIDEKA FENVTDLQWL ILDHNLLSENS KIKGRVFSKL KQLKKLHINH NNLTESVGPL PKSLEDLQLT HNKITKLGsf EGLVNLTfIH LQHNRLKEDA VSAAFKGLKS LEYLDLSFNQ IARLPsGLPV SLLTLyLDNN KISNIPDEYF KRFNALQYLR LSHNELADSG IPGNSFNvSS LVELDLSYNK LKNIPTVNEN LENYYLEVnQ LEKFDIKSFC KILGPLSYSK IKHLRLDGNR ISETSLPPDM YECLRVANEV TLNHHHHHHH
Purity:	> 95 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)

Target Details

Target:	LUM
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Target Details

Alternative Name:	LUM (LUM Products)
Background:	LUM, also known as lumican, is a member of the class II small leucine-rich proteoglycan family. It is a major component of the cornea, dermal, and muscle connective tissues. It 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. It may regulate collagen fibril organization and circumferential growth, corneal transparency, and epithelial cell migration and tissue repair. Recombinant human LUM, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	37.7kDa (329aa) 40-57kDa (SDS-PAGE under reducing conditions)
NCBI Accession:	NP_002336
UniProt:	P51884
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.