

Product Information

MemDX™ Antibody Discovery - Human Lumican (19-338) Membrane Protein, Partial, -His tag

Cat. No.: **MP0624F**

This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human Lumican (19-338). It has been tested in SDS-PAGE. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species

Human

Target Protein

Lumican

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 37.5 kDa. The protein migrates as 50-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Gln 19 - Asn 338 (Accession # NP_002336).

Product Description

Application

SDS-PAGE

Expression Systems

HEK293

Tag

His tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/μg by the LAL method

Purity

>95% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.

The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile conditions after reconstitution after storage at -80°C.

Target**Target Protein**

Lumican

Full Name

lumican

Introduction

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.

Alternative Names

LDC; SLRR2D; lumican; KSPG lumican; epididymis secretory sperm binding protein; keratan sulfate proteoglycan lumican; lumican proteoglycan

Gene ID

[4060](#)

UniProt ID

[P51884](#)