

LuM recombinant protein

LuM, 19-338aa, Human, His tag, E Coli (Denatured)

CATALOG # AAA48844	HOST E Coli	APPLICATIONS SDS-Page
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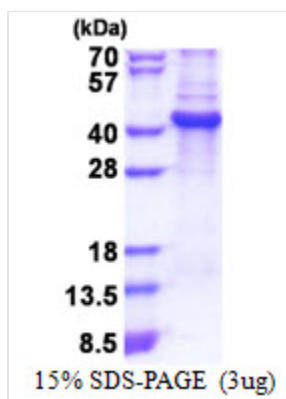
PRODUCT SYNONYMS

LuM; 19-338aa; Human; His tag; E Coli (Denatured); Lumican precursor; LDC; SLRR2D; LuM recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.4M urea, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSQYYDYDF PLSIYGQSSP NCAPECNCPE SYPSAMYCDE LKLKSVPMVP PGIKYLYLRN NQIDHIDEKA FENVTLQWL ILDHNLLNS KIKGRVFSKL QLKKLHINH NNLTESVGPL PKSLEDLQLT HNKITKLGSF EGLVNLTFIH LQHNRLKEDA VSAAFKGLKS LEYLDLSFNQ IARLPSGLPV SLLTLYLDNN KISNIPDEYF KRFNALQYLR LSHNELADSG IPGNSFNVSS LVELDLSYNK LKNIPTVNEN LENYYLEVNQ LEKFDIKSFC KILGPLSYSK IKHLRLDGNR ISETSLPPDM YECLRVANEV TLN
Sequence Length	338
Applicable Applications for LuM recombinant protein	SDS-PAGE
Tag Information	His-tag
Domain	19-338aa
Preparation and Storage	For long term storage, aliquot and store at -20 degree C or -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for LuM recombinant protein	LuM is 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. Recombinant human LuM protein, fused to His-tag at N-terminus, was expressed in E Coli.
Product Categories/Family for LuM recombinant protein	Cancer
References	Chakravarti S, Stallings RL, et al. (1995). Genomics. 27 (3):481-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505047
NCBI GeneID	4060
NCBI Accession #	NP_002336
NCBI GenBank Nucleotide #	NM_002345.3
UniProt Accession #	P51884; Q96QM7; B2R6R5
Molecular Weight	39kDa (343aa)
NCBI Official Full Name	lumican
NCBI Official Synonym Full Names	lumican
NCBI Official Symbol	LUM
NCBI Official Synonym Symbols	LDC; SLRR2D
NCBI Protein Information	lumican
UniProt Protein Name	Lumican
UniProt Gene Name	LUM
UniProt Synonym Gene Names	LDC; SLRR2D; KSPG lumican

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.