

Recombinant Human LUM Protein

Catalog #	Source	Reactivity	Applications
CRP1926	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human LUM Protein is produced by our Mammalian expression system and the target gene encoding Gln19-Asn338 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, 1mM EDTA, pH 7.2		
Gene Symbol	LUM		
Alternative Names	LDC; SLRR2D; Lumican; Keratan sulfate proteoglycan lumican; KSPG lumican		
Entrez Gene	4060 (Human)		
SwissProt	P51884 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	<p>QYYDYDFPLS IYGQSSPNCA PECNCPESYP SAMYCDELKL KSVPMVPPGI KYLYLRNNQI DHIDEKAFEN VTDLQWLILD HNLENSKIK GRVFSKCLKL KKLHINHNNL TESVGPLPKS LEDLQLTHNK ITKLSFEGF VNLTFIHLQH NRLKEDAVSA AFKGLKSLEY LDLSFNQIAR LPSGLPVSL TLYLDNNKIS NIPDEYFKRF NALQYLRLSH NELADSGIPG NSFNVSSLVE LDLSYNKLN IPTVNENLEN YYLEVNQLEK FDIKSFKIL GPLSYSKIKH LRLDGNRISE TSLPPDMYEC LRVANEVTLN VDHHHHHH</p>		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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