

Recombinant Human LECT1

Cat. No. LECT1-29939TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human LECT1 with N terminal proprietary tag, 38kDa.
Species	Human
Source	E.coli
Description	This gene encodes a glycosylated transmembrane protein that is cleaved to form a mature, secreted protein. The N-terminus of the precursor protein shares characteristics with other surfactant proteins and is sometimes called chondrosurfactant protein although no biological activity has yet been defined for it. The C-terminus of the precursor protein contains a 25 kDa mature protein called leukocyte cell-derived chemotaxin-1 or chondromodulin-1. The mature protein promotes chondrocyte growth and inhibits angiogenesis. This gene is expressed in the avascular zone of prehypertrophic cartilage and its expression decreases during chondrocyte hypertrophy and vascular invasion. The mature protein likely plays a role in endochondral bone development by permitting cartilaginous anlagen to be vascularized and replaced by bone. It may be involved also in the broad control of tissue vascularization during development. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Weight	38.000kDa
Form	Lyophilised: Add 100ul of distilled water.
Storage buffer	pH: 6.80 Constituents: 1.58% Tris HCl, 3.09% DTT, 4% SDS, 0.2% Bromophenol blue,

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20% Sucrose

Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name

LECT1 leukocyte cell derived chemotaxin 1 [Homo sapiens]

Official Symbol

LECT1

Synonyms

LECT1; leukocyte cell derived chemotaxin 1; multiple myeloma tumor suppressor 1 , MYETS1; leukocyte cell-derived chemotaxin 1; CHM I; CHM1; chondromodulin;

Gene ID

11061

mRNA Refseq

NM_001011705

Protein Refseq

NP_001011705

MIM

605147

Uniprot ID

O75829

**Chromosome
Location**

13q14.3

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