

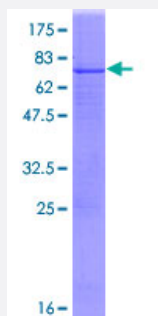
Full-Length

LECT1 (Human) Recombinant Protein (P01)

Catalog # H00011061-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human LECT1 full-length ORF (NP_008946.1, 1 a.a. - 334 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTENSDKVPIALVGPDDVEFCSPPAYATLTVKPSSPARLLKVGAVVLISGAVLLLFGAIGAFYFWK
GSDSHYINVHYTMSINGKLQDGSMEIDAGNNLETFKMGSGAEAAVNDFFQNGITGIRFAGGEKCYI
KAQVKARIPEVGAVTKQSISSEKLEKIMPVKYEENSLIWWAVDQPVKDNSFLSSKVLELCGDLPIF
WLKPTYPKEIQRERREVVRKIVPTTTKRPHSGPRSNPGAGRLNNETRPSVQEDSQAFNPDNPYH
QQEGESMTFDPRLDHEGICCECRRSYTHCQKICEPLGGYYPWPYNYQGCRSACRVIMPCSWWW
ARILGMV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

63.5

Interspecies Antigen Sequence

Mouse (88); Rat (88)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — LECT1

Entrez GeneID[11061](#)**GeneBank Accession#**[NM_007015.2](#)**Protein Accession#**[NP_008946.1](#)**Gene Name**

LECT1

Gene Alias

BRICD3, CHM-I, CHM1

Gene Description

leukocyte cell derived chemotaxin 1

Omim ID[605147](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

BRICHOS domain containing 3|OTTHUMP00000018466|chondromodulin I

Disease

- [Arthritis](#)
- [Disease Progression](#)
- [Osteoarthritis](#)