abcam

Product datasheet

Recombinant Human LECT1 protein ab132773

1 Image

Description

Product name	Recombinant Human LECT1 protein
Expression system	Wheat germ
Accession	O75829
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MTENSDKVPIALVGPDDVEFCSPPAYATLTVKPSSPARLL KVGAVVLISG AVLLLFGAIGAFYFWKGSDSHIYNVHYTMSINGKLQDGSME IDAGNNLET FKMGSGAEEAIAVNDFQNGITGIRFAGGEKCYIKAQVKARI PEVGAVTKQ SISSKLEGKIMPVKYEENSLIWVAVDQPVKDNSFLSSKVL ELCGDLPIFW LKPTYPKEIQRERREVVRKIVPTTTKRPHSGPRSNPGAGRL NNETRPSVQ EDSQAFNPDNPYHQQEGESMTFDPRLDHEGICCIECRRS YTHCQKICEPL GGYYPWPYNYQGCRSACRVIMPCSWWVARILGMV
Predicted molecular weight	64 kDa including tags
Amino acids	1 to 334

Specifications

Our **Abpromise guarantee** covers the use of **ab132773** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE ELISA Western blot
Form	Liquid
Additional notes	

Preparation and Storage

Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles.

pH: 8.00
Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function

Bifunctional growth regulator that stimulates the growth of cultured chondrocytes in the presence of basic fibroblast growth factor (FGF) but inhibits the growth of cultured vascular endothelial cells. May contribute to the rapid growth of cartilage and vascular invasion prior to the replacement of cartilage by bone during endochondral bone development. Inhibits in vitro tube formation and mobilization of endothelial cells. Plays a role as antiangiogenic factor in cardiac valves to suppress neovascularization.

Tissue specificity

Detected in cartilage and cardiac valves (at protein level). Detected in the laminae fibrosa, spongiosa and ventricularis layers of normal cardiac valves (at protein level). Expression is decreased cardiac valves of patients with valvular heart disease (at protein level). Weakly expressed in chondrosarcoma.

Sequence similarities

Belongs to the chondromodulin-1 family.
Contains 1 BRICHOS domain.

Developmental stage

Expressed at 9 weeks in developing cartilagenous bone rudiments.

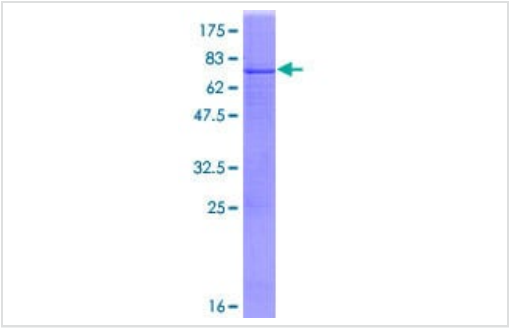
Post-translational modifications

After cleavage, the post-translationally modified ChM-I is secreted as a glycoprotein.

Cellular localization

Endomembrane system and Secreted. Accumulated in the inter-territorial matrix of cartilage.

Images



SDS-PAGE - Recombinant Human LECT1 protein (ab132773)

12.5% SDS-PAGE analysis of ab132773 stained with Coomassie Blue.

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