

Product datasheet

Recombinant Human LECT1 protein ab132773

1 Image

Description

<b>Product name</b>	Recombinant Human LECT1 protein	
<b>Expression system</b>	Wheat germ	
<b>Accession</b>	<a href="#">O75829</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	MTENSDKVPIALVGPDDVEFCSPPAYATLTVKPSSPARLL KVGAVVLISG AVLLLFGAIGAFYFWKGSDSHIYNVHYTMSINGKLDGSME IDAGNNLET FKMGSAAEEAIVNDFQNGITGIRFAGGEKCYIKAQVKARI PEVGAVTKQ SISKLEGKIMPVKYEENSLIWWAVDQPVKDNSFLSSKVL ELCGDLPIFW LKPTYPKYIQRERREVRKMPTTTTKRPHSGPRSNPGAGRL NNETRPSVQ EDSQAFNPDNPYHQEGESMTFDPRLDHEGICIECRRS YTHCQKICEPL GGYYPWPYNYQGCRSACRVIMPCSWWWARILGMV	
<b>Predicted molecular weight</b>	64 kDa including tags	
<b>Amino acids</b>	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.

<b>Applications</b>	SDS-PAGE
	ELISA
	Western blot
<b>Form</b>	Liquid
<b>Additional notes</b>	

## Preparation and Storage

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### Stability and Storage

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

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

## General Info

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### 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.

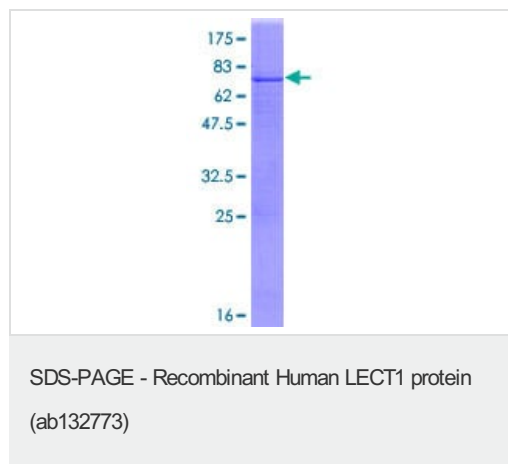
### Cellular localization

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

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## Images

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

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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