

Datasheet for ABIN5853498

**LECT1 Protein (AA 214-334) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	LECT1
Protein Characteristics:	AA 214-334
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This LECT1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

## Product Details

Sequence:	MGSSHHHHHH SSSLVPRGSH MGSREVV RKI VPTTTKRPHS GPRSNPGAGR LNNETRPSVQ EDSQAFNPDN PYHQEGESM TFDPRLDHEG ICCIECRRSY THCQKICEPL GGYYPWPYNY QGCRSACRVI MPCSWWVARI LGMV
Purity:	> 90 % by SDS - PAGE

## Target Details

Target:	LECT1
Alternative Name:	LECT1 ( <a href="#">LECT1 Products</a> )
Background:	LECT1 is 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

## Target Details

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. Recombinant human LECT1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Molecular Weight: 16.3kDa (144aa)

NCBI Accession: [NP\\_008946](#)

UniProt: [O75829](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: Denatured

Restrictions: For Research Use only

## Handling

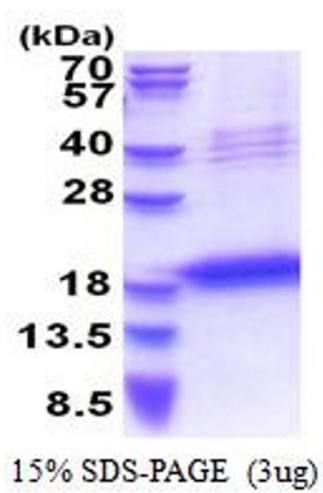
Format: Liquid

Concentration: 1.0 mg/mL

Buffer: Liquid. In 20 mM Tris-HCl buffer ( pH 8.0) containing 0.4M urea, 10 % glycerol

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE
Image 1.