

## Product datasheet for RC213301L3V

## OriGene Technologies, Inc.

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## LECT1 (CNMD) (NM\_007015) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

**Product Type:** Lentiviral Particles

Product Name: LECT1 (CNMD) (NM\_007015) Human Tagged ORF Clone Lentiviral Particle

Symbol: LECT

Synonyms: BRICD3; CHM-I; CHM1; LECT1; MYETS1

Mammalian Cell

Selection:

Puromycin

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

 Tag:
 Myc-DDK

 ACCN:
 NM\_007015

ORF Size: 1109 bp

**ORF Nucleotide** 

Sequence:

The ORF insert of this clone is exactly the same as(RC213301).

OTI Disclaimer:

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

RefSeq: <u>NM 007015.2</u>

 RefSeq Size:
 1538 bp

 RefSeq ORF:
 1005 bp

 Locus ID:
 11061

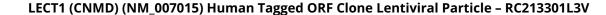
 UniProt ID:
 075829

 Cytogenetics:
 13q14.3

**Protein Families:** Secreted Protein, Transmembrane

**MW:** 37 kDa







## **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, Jul 2008]