

# Product datasheet for AR51356PU-S

## Chondromodulin-1 (214-333, His-tag) Human Protein

### **Product data:**

#### **Product Type: Recombinant Proteins Description:** Chondromodulin-1 (214-333, His-tag) human recombinant protein, 0.1 mg Species: Human E. coli **Expression Host:** MGSSHHHHHH SSGLVPRGSH MGSREVVRKI VPTTTKRPHS GPRSNPGAGR LNNETRPSVQ Expression cDNA Clone or AA Sequence: EDSQAFNPDN PYHQEGESMT FDPRLDHEGI CCIECRRSYT HCQKICEPLG GYYPWPYNYQ GCRSACRVIM PCSWWVARIL GMV Tag: His-tag Predicted MW: 16.2 kDa **Concentration:** lot specific **Purity:** >85% by SDS - PAGE **Buffer:** Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol **Preparation:** Liquid purified protein **Protein Description:** Recombinant Human LECT1 protein, fused to His-tag at N-terminus, was expressed in E.coli. Storage: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Stability: Shelf life: one year from despatch. NP 001011705 RefSeq: Locus ID: 11061 **UniProt ID:** 075829 Cytogenetics: 13q14.3 Synonyms: BRICD3; CHM-I; CHM1; LECT1; MYETS1



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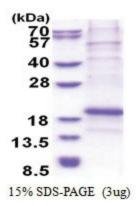
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### Chondromodulin-1 (214-333, His-tag) Human Protein – AR51356PU-S Chondromodulin-1 (214-333, His-tag) Human Protein – AR51356PU-S

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]

Protein Families: Secreted Protein, Transmembrane

### **Product images:**



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