9051 Mira Mesa Blvd, #910094
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LECT1 Human

Leukocyte Cell Derived Chemotaxin 1 Human Recombinant
RCP1236

Product Overview

Name	LECT1 Human

Description

Leukocyte Cell Derived Chemotaxin 1 Human Recombinant

Accession (Primary)	O75829

Synonyms

BRICD3, CHM-I, CHM1, MYETS1, Leukocyte cell-derived chemotaxin 1, Chondrosurfactant protein, CH-SP, Chondromodulin-1, ChM-I, LECT1.

Introduction

Leukocyte Cell Derived Chemotaxin 1, also known as LECT1, is a glycosylated transmembrane protein which is cleaved to form a mature, secreted protein. The mature protein encourages chondrocyte growth and inhibits angiogenesis. The mature protein takes part in endochondral bone development by permitting cartilaginous anlagen to be vascularized and replaced by bone. LECT1 is expressed in the avascular area of prehypertrophic cartilage and its expression reduces during vascular invasion and chondrocyte hypertrophy.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

The LECT1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS REVVRKI VPTTTKRPHS GPRSNPGAGR LNNETRPSVQ EDSQAFNPDN PYHQQEGESM TFDPRLDHEG ICCIECRRSY THCQKICEPL GGYYPWPYNY QGCRSACRVI MPCSWWVARI LGMV.

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Precautions

LECT1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O75829)