
Product Data Sheet

Product Name: LECT1 Human
 Cat. No.: GP23810
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	BRICD3; CHM-I; CHM1; MYETS1; Leukocyte cell-derived chemotaxin 1; Chondrosurfactant protein; CH-SP; Chondromodulin-1; ChM-I; LECT1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSREVVVKI VPTTTKRPHS GPRSNPGAGR LNNETRPSVQ EDSQAFNPDN PYHQQEGESM TFDPRLDHEG ICCIECRRSY THCQKICEPL GGYYPWPYNY QGCRSACRVI MPCSWWWVARI LGMV.		
Formulation	The LECT1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.		

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.

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.

Background

LECT1 Human Recombinant produced in E. coli is a single polypeptide chain containing 144 amino acids (214-334) and having a molecular mass of 16.3kDa. LECT1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic

Caution: Product has not been fully validated for medical applications. For research use only.

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