Product Data Sheet

Product Name:	LECT2 Human
Cat. No.:	GP23812
Batch No.:	1

Product Data

Purity	>98%	Source	Escherichia Coli.
Phycical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Leukocyte Cell-Derived Chemotaxin 2; Leukocyte Cell-Derived Chemotaxin-2; Chondromodulin-II; Chm-II; LECT-2; HLECT2; Chm2; LECT2.		
Amino Acid Sequence	MKHHHHHHASGPWANICAGK SSNEIRTCDR HGCGQYSAQR SQRPHQGVDI LCSAGSTVYA PFTGMIVGQE KPYQNKNAIN NGVRISGRGF CVKMFYIKPI KYKGPIKKGE KLGTLLPLQK VYPGIQSHVH IENCDSSDPT AYL.		
Solubility	It is recommended to add 200?l of deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. LECT2 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.		
Formulation	LECT2 was filtered (0.4 μm) and lyophilized in 20mM Tris buffer, 50mM NaCl & pH 7.5.		

Introduction

Leukocyte Cell-Derived Chemotaxin 2 (LECT2) functions as a chemotactic factor to neutrophils. LECT2 stimulates the proliferation of chondrocytes and osteoblasts. LECT2 is strongly expressed in the liver and weakly in the testis. LECT2 is a secreted, 16kDa protein which serves as a chemotactic factor to neutrophils and stimulates the growth of chondrocytes and osteoblasts. LECT2 protein has a high sequence similarity to the chondromodulin repeat regions of the chicken myb-induced myeloid 1 protein. A polymorphism in the LECT2 gene is linked with rheumatoid arthritis.

Stability

Store lyophilized protein at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a

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limited period of time; it does not show any change after two weeks at 4°C .

Background

LECT2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (Gly19-Leu151) containing 143 amino acids including a 10 aa His tag at N-terminus. The total calculated molecular mass is 16kDa.

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