

32-4105: Recombinant Human Leukocyte Cell-Derived Chemotaxin 2

Alternative Name : Leukocyte Cell-Derived Chemotaxin 2, Leukocyte Cell-Derived Chemotaxin-2, Chondromodulin-II, Chm-II, LECT-2, HLECT2, Chm2, LECT2.

Description

Source : Escherichia Coli. 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. 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.

Product Info

Amount : 10 µg
Purification : Greater than 95.0% as determined by SDS-PAGE.
Content : LECT2 was filtered (0.4µm) and lyophilized in 20mM Tris buffer, 50mM NaCl & pH 7.5.
Storage condition : 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 limited period of time; it does not show any change after two weeks at 4°C.
Amino Acid : MKHHHHHHASGPWANICAGK SSNEIRTCDR HGCGQYSAQR SQRPHQGVDI LCSAGSTVYA
 PFTGMIVGQE KPYQNKNAIN NGVRISGRGF CVKMFYIKPI KYKGPIKKGE KLGTLPLQK VYPGIQSHVH
 IENCDSDDPT AYL.

Application Note

It is recommended to add 200µl 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.

