Recombinant Human LECT-2 Protein

Catalog No.: RP02894LQ

Sequence Information

Species
Human

Gene ID
3950

Swiss Prot
O14960

Tags
No tag

Synonyms
chm2; chm-II; Chondromodulin II; chondromodulin-II; hLECT2; LECT2; LECT-2; leukocyte cell-derived chemotaxin 2; leukocyte cell-derived chemotaxin-2; MGC126628; MIM1

Product Information

Source
HEK293

Purification
≥ 95 % as determined by Tris-Bis PAGE.

Calculated MWObserved MW

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution
0.2 mg/mL in sterile PBS, pH7.4

Background

LECT2 (leukocyte cell-derived chemotaxin-2), also known as Chondromodulin-II, is a neutrophil chemotactic protein predominantly expressed in the liver (1). It was first identified in the heparin-binding components extracted from fetal bovine epiphyseal cartilage (2). Human LECT2 cDNA encodes a 151 amino acid (aa) precursor that includes an 18 aa signal sequence (3). The mature human LECT2 is a 16 kDa secreted hepatic protein that has a putative peptidase-M23 domain (3, 4). Human LECT2 shares 87% and 86% aa sequence identity with mouse and rat LECT2, respectively. LECT2 stimulates the growth and matrix formation of chondrocytes in vitro (2, 5, 6). In MC3T3-E1 cells, it promotes proliferation but inhibits alkaline phosphatase activity (5, 6). In vivo study suggested LECT2 can directly suppress the development of type II collagen antibody–induced arthritis (4). Recent studies have shown that LECT2 is an important regulator of tumor growth during hepatocellular carcinoma development and progression; it inhibits the angiogenic effect of HUVECs in vitro and in vivo (7).

Basic Information

Description
Recombinant human LECT-2 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Gly19-Leu151) of human LECT-2 (Accession #) fused with additional amino acid free.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

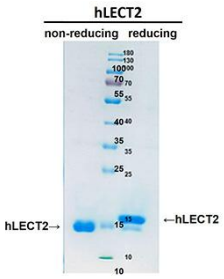
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human LECT-2 Protein was determined by Tris-Bis PAGE under reducing conditions.

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