

Recombinant Human Leukocyte cell-derived chemotaxin 1(LECT1),partial



Catalog No: #AP73805

Orders: order@abscitech.com

Package Size: #AP73805-1 10ug #AP73805-2 50ug #AP73805-3 100ug #AP73805-4 200ug #AP73805-5 500ug #AP73805-6 1mg

Support: tech@abscitech.com

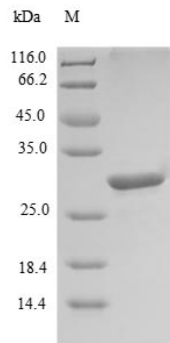
Description

| | |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name | Recombinant Human Leukocyte cell-derived chemotaxin 1(LECT1),partial |
| Brief Description | Recombinant Protein |
| Host Species | E.coli |
| Target Name | LECT1 |
| Other Names | Cleaved into the following 2 chains: Chondrosurfactant protein Short name: CH-SP Chondromodulin-1 Alternative name(s): Chondromodulin-I Short name: ChM-I |
| Accession No. | Uniprot ID: O75829 |
| Target Species | Hu |
| SDS-PAGE MW | 29.62kDa |
| Target Length | Partial,215-334aa |
| Tag Info | N-terminal 6xHis-SUMO-tagged |
| Target Sequence | EVVRKIVPTTTKRPHSGPRSNPGAGRLNNETRPSVQEDSQAFNPDNPYHQEGESMTFDPRLDHEGICIEC RRSYTHCQKICEPLGGYYPWPYNYQGCRSACRVIMPCSWWWARILGMV |
| Formulation | Tris-based buffer,50% glycerol |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |

Application Details

Greater than 90% as determined by SDS-PAGE.

Images



Background

Bifunctional growth regulator that stimulates the growth of cultured chondrocytes in the presence of basic fibroblast growth factor (FGF) but inhibits the growth of cultured vascular endothelial cells. May contribute to the rapid growth of cartilage and vascular invasion prior to the replacement of cartilage by bone during endochondral bone development. Inhibits in vitro tube formation and mobilization of endothelial cells. Plays a role as antiangiogenic factor in cardiac valves to suppress neovascularization.

References

"Expression of cartilage-specific functional matrix chondromodulin-I mRNA in rabbit growth plate chondrocytes and its responsiveness to growth stimuli in vitro." Shukunami C., Hiraki Y. *Biochem. Biophys. Res. Commun.* 249:885-890(1998)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.