

RP02953

Leader in Biomolecular Solutions for Life Science



Recombinant Human LRG1 Protein

Catalog No.: RP02953 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	116844	P02750

Tags

C-His

Synonyms

LRG1; LRG , Leucine-rich alpha-2-glycoprotein; LRG

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Endotoxin

< 0.01 EU/μg of the protein by LAL method.

Formulation

Supplied as 0.22μm filtered solution in PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact



www.abclonal.com

Background

LRG1 is a Protein Coding gene. LRG1 belongs to the leucine-rich repeat (LRR) family. Members of this family are involved in protein-protein interaction, signal transduction, and cell adhesion and development. LRG1 is expressed during granulocyte differentiation. It contains 4 LIM zinc-binding domains and 1 Rho-GAP domain. LRG1 is involved in promoting neovascularization (new blood vessel growth) by causing a switch in transforming growth factor-beta (TGFbeta) signaling in endothelial cells. LRG1 binds to the accessory receptor endoglin and promotes signaling via the ALK1-Smad1/5/8 pathway. It may be a potential therapeutic target for the treatment of diseases where there is aberrant neovascularization. Diseases associated with LRG1 include Appendicitis and Normal Pressure Hydrocephalus.

Basic Information

Description

Recombinant Human LRG1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Vla36-Gln347) of Human LRG1 fused with His tag at the C-terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

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

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

* For your safety and health, please wear a lab coat and disposable gloves when handling.