

Bioactive

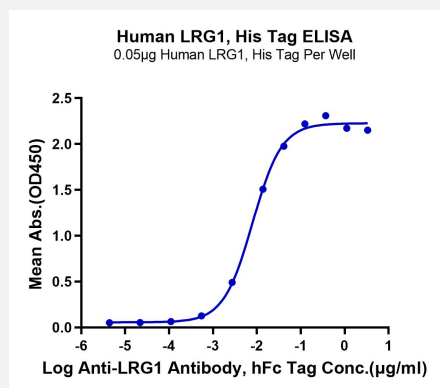
HuPro®

LRG1 (Human) Recombinant Protein

Catalog # P9937

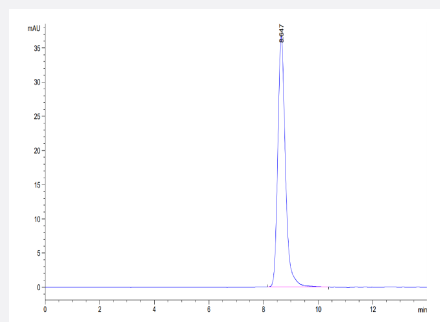
Size 100 ug

Applications



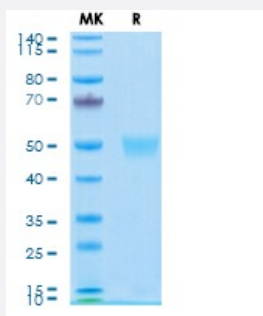
Enzyme-linked Immunoabsorbent Assay

Immobilized Human LRG1, His Tag at 0.5 ug/mL (100 uL/Well) on the plate. Dose response curve for Anti-LRG1 Antibody, hFc Tag with the EC50 of 8.0 ng/mL determined by ELISA.



SEC-HPLC

The purity of Human LRG1 is greater than 95% as determined by SEC-HPLC.



Tris-Bis PAGE

Human LRG1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description	Human LRG1 (P02750, Val36-Gln347) partial recombinant protein with His tag at C-Terminus expressed in HEK293 cells.
Sequence	Val36-Gln347
Host	Human
Theoretical MW (kDa)	35.4
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC ₅₀ was 8.0 ng/mL, measured by ELISA at 0.5 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human LRG1 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human LRG1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Enzyme-linked Immunoabsorbent Assay

Immobilized Human LRG1, His Tag at 0.5 ug/mL (100 uL/Well) on the plate. Dose response curve for Anti-LRG1 Antibody, hFc Tag with the EC₅₀ of 8.0 ng/mL determined by ELISA.

- Functional Study

- SDS-PAGE

Gene Info — LRG1

Entrez GeneID [116844](#)**Protein Accession#** [P02750](#)**Gene Name** LRG1**Gene Alias** HMFT1766, LRG**Gene Description** leucine-rich alpha-2-glycoprotein 1**Omim ID** [611289](#)**Gene Ontology** [Hyperlink](#)

Gene Summary The leucine-rich repeat (LRR) family of proteins, including LRG1, have been shown to be involved in protein-protein interaction, signal transduction, and cell adhesion and development. LRG1 is expressed during granulocyte differentiation (O'Donnell et al., 2002 [PubMed 12223515]).[supplied by OMIM]

Other Designations 1300008B03Rik|2310031E04Rik|leucine rich alpha 2 glycoprotein