

# Recombinant Human LRG1 Protein

Catalog No.: RP02953 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	116844	P02750

### Tags

C-His

### Synonyms

LRG1;HMFT1766;LRG

## Product Information

Source	Purification
HEK293 cells	> 95% as determined by HPLC

### Endotoxin

<1EU/μg

### Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the tube 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 freeze-thaw cycles.

## Contact

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## Background

Diabetic nephropathy (DN) is an important public health concern of increasing proportions and the leading cause of end-stage renal disease (ESRD) in diabetic patients. It is one of the most common long-term microvascular complications of diabetes mellitus that is characterized by proteinuria and glomerular structural changes. LRG1 is a novel pro-angiogenic factors involved in the abnormal angiogenesis and renal fibrosis in DN.

## Basic Information

### Description

Recombinant Human LRG1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val36-Gln347) of human LRG1 (Accession #NP\_443204.1) fused with a 6×His tag at the C-terminus.

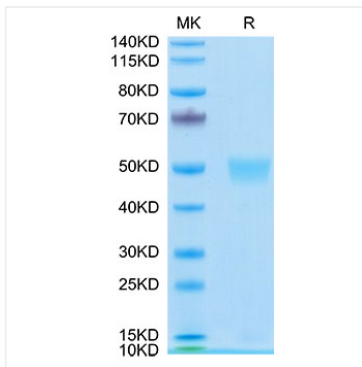
### Bio-Activity

Immobilized Human LRG1, His Tag at 0.5μg/ml (100μl/Well) on the plate. Dose response curve for Anti-LRG1 Antibody, hFc Tag with the EC<sub>50</sub> of 13.8ng/ml determined by ELISA.

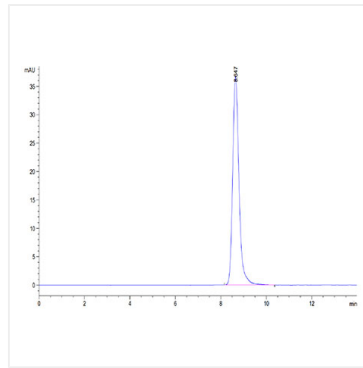
### Storage

Store the lyophilized protein at -20°C to -80°C for 12 months. 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.

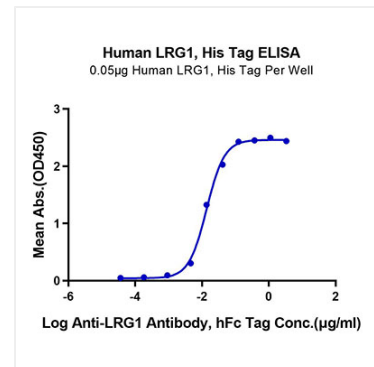
## Validation Data



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



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



Immobilized Human LRG1, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-LRG1 Antibody, hFc Tag with the EC<sub>50</sub> of 13.8ng/ml determined by ELISA.