

Recombinant Mouse LRG1 Protein

Catalog No.: RP02863

Sequence Information

Species **Gene ID**
Mouse 76905

Swiss Prot **Tags**
Q91XL1 C-His

Synonyms
LRG1, HMFT1766, LRG

Product Information

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

Calculated MW **Observed MW**
34.72 kDa 45–60 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL
method.

Formulation
Lyophilized from 0.22μm filtered
solution in PBS (pH 7.4). Normally
8% trehalose is added as
protectant before lyophilization.

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 free-thaw cycles.

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 Mouse LRG1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu33–Leu342) of mouse LRG1 (Accession #NP_084072.1) fused with a 6×His tag at the C-terminus.

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 –20°C

Operational Notes

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

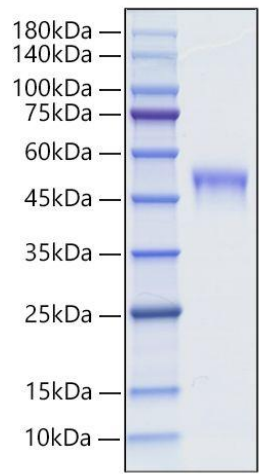
Contact

☎ | 400-999-6126

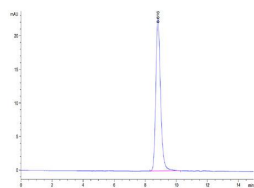
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Validation Data



Recombinant Mouse LRG1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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