

Human LRG1 Protein

Catalog Number: 13371-HCCH



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

HMFT1766; LRG; 1300008B03Rik; 2310031E04Rik; Lrg; Lrhg

Protein Construction:

A DNA sequence encoding the human LRG1 (AAH34389.1) (Met1-Gln347) was expressed with six amino acids (LEVLFQ) at the C-terminus.

Source: Human

Expression Host: Human Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Val 36

Molecular Mass:

The recombinant human LRG1 is a disulfide-linked homodimer. The reduced monomer comprises 319 amino acids and has a predicted molecular mass of 35.1 kDa. The apparent molecular mass of the protein is approximately 45 kDa in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

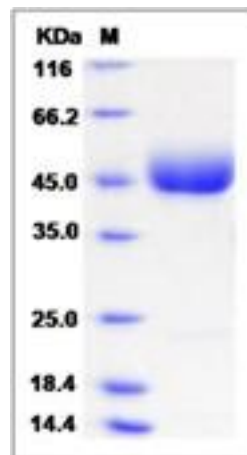
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

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.

References

- 1.O'Donnell LC. et al., 2002, J Leukoc Biol. 72 (3): 478-85.
- 2.Li X. et al., 2007, Neurosci Lett. 413 (2): 141-4.
- 3.Ramachandran P. et al., 2006, J Proteome Res. 5 (6): 1493-503.

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