

## Recombinant Human LRG1 protein, His-tagged

**Cat. No.** LRG1-3999H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human LRG1 protein(P02750)(Val36-Gln347), fused with C-terminal His tag, was expressed in HEK293.                                                             |
| <b>Species</b>          | Human                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                    |
| <b>ProteinLength</b>    | Val36-Gln347                                                                                                                                                              |
| <b>Tag</b>              | C-His                                                                                                                                                                     |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.                                            |
| <b>Bio-activity</b>     | Immobilized Human LRG1, His Tag at 0.5ug/ml (100ul/Well) on the plate. Dose response curve for Anti-LRG1 Antibody, hFc Tag with the EC50 of 5.2ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 35.4 kDa. Due to glycosylation, the protein migrates to 48-52 kDa based on Tris-Bis PAGE result.                                        |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.                                                                                                                                   |
| <b>Purity</b>           | > 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC                                                                                                          |

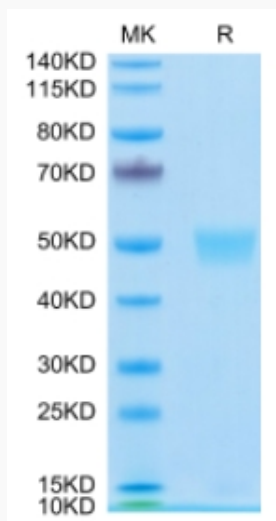
 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

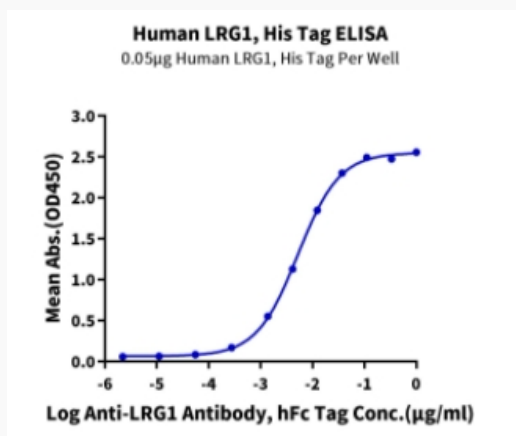
 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.                                |
| <b>Reconstitution</b>   | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.             |
| <b>GENE INFORMATION</b> |                                                                                                                                                                         |
| <b>Gene Name</b>        | LRG1 leucine-rich alpha-2-glycoprotein 1 [ Homo sapiens ]                                                                                                               |
| <b>Official Symbol</b>  | LRG1                                                                                                                                                                    |
| <b>Synonyms</b>         | LRG1; leucine-rich alpha-2-glycoprotein 1; leucine-rich alpha-2-glycoprotein; leucine rich alpha 2 glycoprotein; LRG; 1300008B03Rik; 2310031E04Rik; HMFT1766; FLJ45787; |
| <b>Gene ID</b>          | 116844                                                                                                                                                                  |
| <b>mRNA Refseq</b>      | NM_052972                                                                                                                                                               |
| <b>Protein Refseq</b>   | NP_443204                                                                                                                                                               |
| <b>MIM</b>              | 611289                                                                                                                                                                  |
| <b>UniProt ID</b>       | P02750                                                                                                                                                                  |

### Tris-Bis PAGE



### ELISA Data



Tel: 1-631-559-9269 1-516-512-3133

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