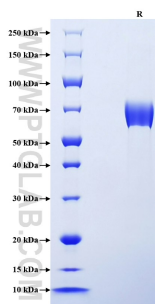


Recombinant Human LRG1 protein (rFc Tag)

Catalog Number: Eg3083

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human LRG1 protein Val36-Gln347 (Accession# P02750) with a rabbit IgG Fc tag at the C-terminus.</p> <p>GeneID: 116844</p> <p>Accession: P02750</p> <p>Predicted Molecular Mass: 60.4 kDa</p> <p>SDS-PAGE: 60-75 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>LRG1, also known as LRG, is a member of the leucine-rich repeat (LRR) family of proteins, containing eight LRR (leucine-rich) repeats and one LRRCT domain. The gene of LRG1 maps to chromosome 19p13.3, and encodes a 347-amino acid protein with a predicted unmodified molecular weight of 38 kD. The mature form of LRG1 is a secreted glycoprotein which has 312 amino acids and an experimentally determined molecular mass of 45 kD. The 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. Levels of the LRG protein are markedly elevated in acute appendicitis and therefore could be used as a diagnostic aid.</p>		
References	<ol style="list-style-type: none"> 1. Camilli C, Hoeh AE, et al. (2022) J Biomed Sci. 29(1):6. 2. Chen C, Zhang J, et al. (2024) Kidney Dis (Basel). 10(3):237-248. 3. Feng J, Zhan J, Ma S. (2021) Bioengineered. 12(1):8897-8907. 4. Hong Q, Zhang L, et al. (2019) J Am Soc Nephrol. 30(4):546-562. 5. He S, Ryu J, et al. (2021) J Clin Invest. 131(24):e148545. 		
Synonyms	LRG1, HMFT1766, Leucine-rich alpha-2-glycoprotein, LRG		

Selected Validation Data



Purity of Recombinant Human LRG1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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