

LRG1 Protein, Human, Recombinant (hFc & His)

General Information

Synonyms:	LRG and LRG1;Leucine-rich alpha-2-glycoprotein;Leucine-rich α -2-glycoprotein
Protein Construction:	Val36-Gln347
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P02750
Molecular Weight:	65-90 KDa (reducing condition)
AA Sequence:	Val36-Gln347

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test.
Formulation:	Supplied as a 0.2 μ m filtered solution of 20 mM Tris-HCl, 200 mM NaCl, 10% Glycerol, pH 8.0.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

LRG1 is a secreted protein and contains eight LRR repeats and one LRRCT domain, It can be expressed during granulocyte differentiation. LRG1 has been shown to be involved in protein-protein interaction, signal transduction, cell adhesion and development. Levels of the LRG protein are markedly elevated in acute appendicitis and therefore could be used as a diagnostic aid.

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