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Recombinant Human LRG1

Catalog#:P01219 Derived from Human Cells

DESCRIPTION	Recombinant Human Leucine-rich Alpha-2-glycoprotein is produced by our Mammalian expression system and the target gene encoding Val36-Gln347 is expressed with a 6His tag at the C-terminus. **Accession#**: AAH34389.1 **Known as**: Leucine-rich alpha-2-glycoprotein; HMFT1766; LRG; LRG1
FORMULATION	Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 20mM NaCl, pH 7.5.
SHIPPING	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
STORAGE	Lyophilized protein should be stored at<-20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
RECONSTITUTION	*Always centrifuge tubes before opening. Do not mix by vortex or pipetting.* *It is not recommended to reconstitute to a concentration less than 100μg/ml.* Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
QUALITY CONTROL	**Mol Mass**:35.4kDa **AP Mol Mass**:40-60kDa, reducing conditions. **Purity**: Greater than 95% as determined by reducing SDS-PAGE. **Endotoxin**: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
BACKGROUND	Leucine-rich alpha-2-glycoprotein is a secreted protein and contains 8 LRR (leucine-rich) repeats and 1 LRRCT domain. The leucine-rich repeat (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.

SDS-PAGE