

LRG1 Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P700782
Synonyms:	Leucine-rich alpha-2-glycoprotein; LRG; LRG1
Species:	Cynomolgus
Source:	HEK293
Accession:	A0A2K5VVA4 (V72-Q383)
Gene ID:	102118680
Molecular Weight:	50-60 kDa

PROPERTIES

Biological Activity	Immobilized Cynomolgus LRG1, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-LRG1 Antibody, hFc Tag with the EC ₅₀ of 0.14µg/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	LRG1 is a member of the leucine-rich repeat sequence (LRR) family of proteins involved in protein-protein interactions, signal transduction, and cell adhesion and development. LRG1 is involved in promoting neovascularization (new blood vessel growth) by causing the switching of transforming growth factor β (TGF-β) signaling in endothelial cells. LRG1 binds to the co-receptor endorphins and promotes signaling through the ALK1-Smad1/5/8 pathway. LRG1 is involved in ovarian cancer progression by activating the FAK/AKT signaling pathway ^{[1][2][3]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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