

Human LRIG1 Protein

Cat. No. LRI-HM101

Description

Source	Recombinant Human LRIG1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala35-Ser779.
Accession	Q96JA1-1
Molecular Weight	The protein has a predicted MW of 83 kDa. Due to glycosylation, the protein migrates to 85-105 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

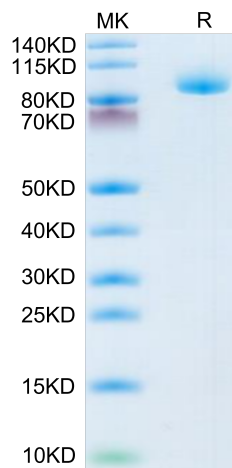
Formulation	Lyophilized from 0.22µm filtered solution in 50mM MES, 150mM NaCl, 1mM EDTA (pH 5.0). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in 50mM MES, 150mM NaCl, 1mM EDTA (pH 5.0).
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The leucine-rich repeats and immunoglobulin-like domains (LRIG)-1 is a tumor suppressor gene that belongs to the LRIG family. LRIG1 expression has prognostic significance in various human cancers. Somatic mutations, which are associated with a certain rate of response to targeted therapies, are ubiquitously found in human non-small cell lung cancer (NSCLC). LRIG1 was an independent prognostic factor for OS of NSCLC patients. LRIG1 in combination with other clinicopathological risk factors was a stronger prognostic model than clinicopathological risk factors alone.

Assay Data

Tris-Bis PAGE

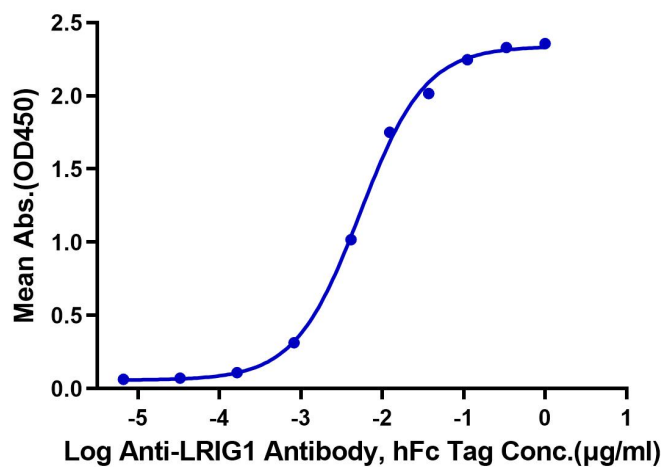


Human LRIG1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Assay Data

Human LRIG1, His Tag ELISA
0.2µg Human LRIG1, His Tag Per Well



Immobilized Human LRIG1, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-LRIG1 Antibody, hFc Tag with the EC50 of 5.3ng/ml determined by ELISA.