

# Human LRRC15/LIB Protein

Cat. No. LRR-HM415

## Description

<b>Source</b>	Recombinant Human LRRC15/LIB Protein is expressed from CHO with His tag and Avi tag at the C-Terminus. It contains Tyr22-Gly538.
<b>Accession</b>	Q8TF66-1
<b>Molecular Weight</b>	The protein has a predicted MW of 60.7 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months 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 chimeric protein binds in vitro and in vivo to a specific element upstream of LRRC15, leading to dramatic transcriptional activation. LRRC15 encodes a leucine-rich transmembrane protein, present at the leading edge of migrating cells, the expression of which in normal tissues is restricted to the invasive cytotrophoblast layer of the placenta; small interfering (siRNA)-mediated suppression of LRRC15 expression in breast cancer cells leads to abrogation of invasiveness in vitro.

## Assay Data

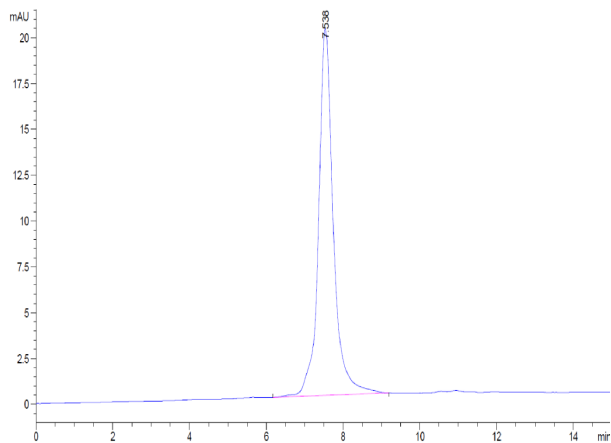
### Bis-Tris PAGE



Human LRRC15 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data



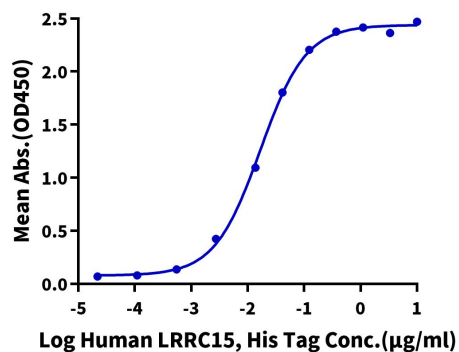
The purity of Human LRRC15 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Human LRRC15, His Tag ELISA**

0.1µg Anti-LRRC15 Antibody, hFc Tag Per Well



Immobilized Anti-LRRC15 Antibody, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human LRRC15, His Tag with the EC50 of 16.7ng/ml determined by ELISA.