

Human LRRC15/LIB Protein, Ultra Low Endotoxin



Cat. No. LRR-HM415-UL

Description

Source	Recombinant Human LRRC15/LIB Protein is expressed from CHO with His tag and Avi tag at the C-Terminus. It contains Tyr22-Gly538.
Accession	Q8TF66-1
Molecular Weight	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.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

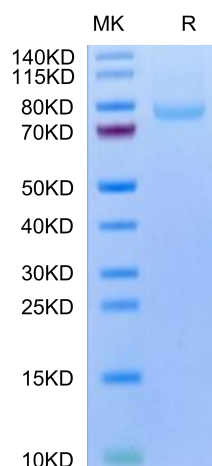
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months 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.

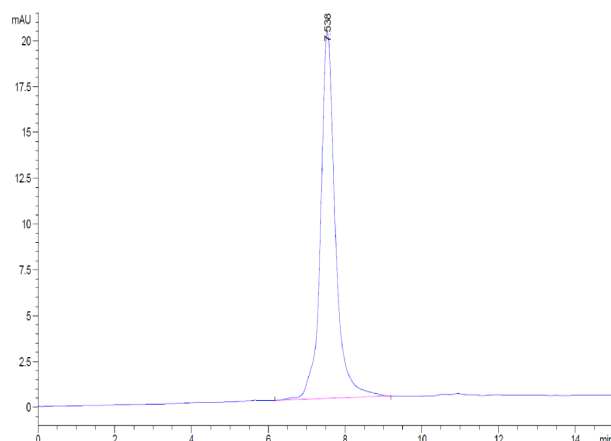
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



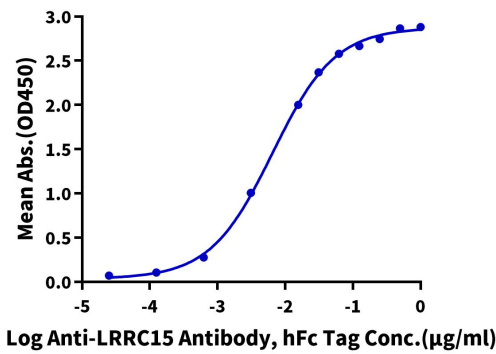
The purity of Human LRRC15 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human LRRC15, His Tag ELISA

0.2µg Human LRRC15, His Tag Per Well



Immobilized Human LRRC15, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-LRRC15 Antibody, hFc Tag with the EC50 of 6.5ng/ml determined by ELISA.