

Recombinant Human LRRC15/LIB Protein

Catalog No.: RP02705 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	131578	Q8TF66-1

Tags

C-His&Avi

Synonyms

LIB; LRRC15

Product Information

Source	Purification
HEK293 cells	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Endotoxin

Less than 1EU per µg by the LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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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.

Basic Information

Description

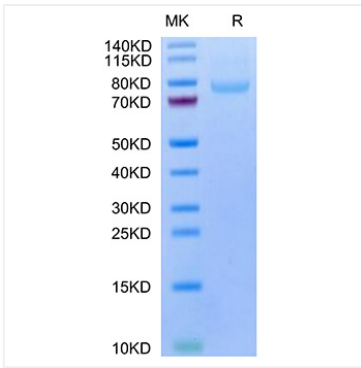
Recombinant Human LRRC15/LIB Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Tyr22-Gly538.

Bio-Activity

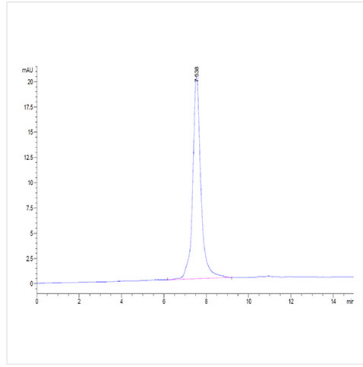
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

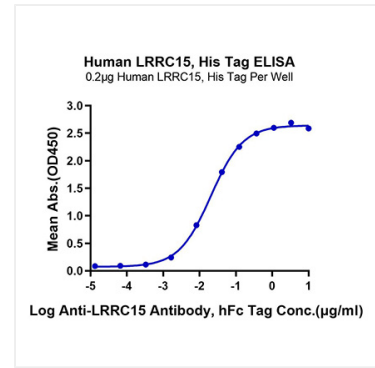
Validation Data



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



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



Immobilized Human LRRC15, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-LRRC15 Antibody, hFc Tag with the EC_{50} of 20.4ng/ml determined by ELISA.