

## LRRC15 Protein, Human (Biotinylated, HEK293, His-Avi)

Cat. No.:	HY-P78172
Synonyms:	LIB; LRRC15
Species:	Human
Source:	HEK293
Accession:	Q8TF66 (Y22-G538)
Gene ID:	131578
Molecular Weight:	70-80 kDa

### PROPERTIES

AA Sequence	<p>Y H G C P S E C T C      S R A S Q V E C T G      A R I V A V P T P L      P W N A M S L Q I L</p> <p>N T H I T E L N E S      P F L N I S A L I A      L R I E K N E L S R      I T P G A F R N L G</p> <p>S L R Y L S L A N N      K L Q V L P I G L F      Q G L D S L E S L L      L S S N Q L L Q I Q</p> <p>P A H F S Q C S N L      K E L Q L H G N H L      E Y I P D G A F D H      L V G L T K L N L G</p> <p>K N S L T H I S P R      V F Q H L G N L Q V      L R L Y E N R L T D      I P M G T F D G L V</p> <p>N L Q E L A L Q Q N      Q I G L L S P G L F      H N N H N L Q R L Y      L S N N H I S Q L P</p> <p>P S V F M Q L P Q L      N R L T L F G N S L      K E L S P G I F G P      M P N L R E L W L Y</p> <p>D N H I S S L P D N      V F S N L R Q L Q V      L I L S R N Q I S F      I S P G A F N G L T</p> <p>E L R E L S L H T N      A L Q D L D G N V F      R M L A N L Q N I S      L Q N N R L R Q L P</p> <p>G N I F A N V N G L      M A I Q L Q N N Q L      E N L P L G I F D H      L G K L C E L R L Y</p> <p>D N P W R C D S D I      L P L R N W L L L N      Q P R L G T D T V P      V C F S P A N V R G</p> <p>Q S L I I I N V N V      A V P S V H V P E V      P S Y P E T P W Y P      D T P S Y P D T T S</p> <p>V S S T T E L T S P      V E D Y T D L T T I      Q V T D D R S V W G      M T Q A Q S G</p>
Biological Activity	Immobilized Anti-LRRC15 Antibody, hFc Tag at 1 µg/mL (100 µl/well) on the plate. Dose response curve for Biotinylated Human LRRC15, His Tag with the EC <sub>50</sub> of ≤68.5ng/mL determined by ELISA.
Appearance	Lyophilized powder
Formulation	Lyophilized from 0.22 µm filtered solution in 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 <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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.

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## DESCRIPTION

### Background

The LRRC15 protein modulates the infectivity of SARS-CoV-2 by interacting with its spike protein. It does not function as an entry receptor for SARS-CoV-2, but instead, when expressed on nearby cells, it sequesters virions and inhibits SARS-CoV-2 infection of ACE2(+) cells in a trans manner. Furthermore, LRRC15 protein directly interacts with the RBD domain of the human coronavirus SARS-CoV-2 spike protein, leading to virion sequestration at the cell surface.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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