

## LRRC15 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P76480
Synonyms:	Leucine-rich repeat-containing protein 15; hLib; LRRC15; LIB
Species:	Human
Source:	HEK293
Accession:	Q8TF66-1 (Y22-G538)
Gene ID:	131578
Molecular Weight:	90-120 kDa.

### PROPERTIES

AA Sequence	<pre> 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 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 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 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 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 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 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 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 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 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 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 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 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           </pre>
Biological Activity	Immobilized Human LRRC15, hFc Tag at 2 µg/mL (100 µl/well) on the plate. Dose response curve for Biotinylated Anti-LRRC15 Antibody, hFc Tag with the EC <sub>50</sub> of 11.9 ng/mL determined by ELISA.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants 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.
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.

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

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