

LRRC15 Protein, Human (HEK293, His)

Cat. No.:	HY-P72512
Synonyms:	Leucine-rich repeat-containing protein 15; hLib; LRRC15; LIB
Species:	Human
Source:	HEK293
Accession:	Q8TF66 (Y22-G538)
Gene ID:	131578
Molecular Weight:	70-80 kDa

PROPERTIES

AA Sequence

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

Appearance

Lyophilized powder.

Formulation

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

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 ddH₂O. 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.

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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