

## LRRC3B Protein, Human (HEK293, His)

Cat. No.:	HY-P70894
Synonyms:	Leucine-Rich Repeat-Containing Protein 3B; Leucine-Rich Repeat Protein LRP15; LRRC3B; LRP15
Species:	Human
Source:	HEK293
Accession:	Q96PB8 (C34-Y204)
Gene ID:	116135
Molecular Weight:	Approximately 52.0 kDa

### PROPERTIES

AA Sequence	<p>           C P K G C L C S S S    G G L N V T C S N A    N L K E I P R D L P    P E T V L L Y L D S            N Q I T S I P N E I    F K D L H Q L R V L    N L S K N G I E F I    D E H A F K G V A E            T L Q T L D L S D N    R I Q S V H K N A F    N N L K A R A R I A    N N P W H C D C T L            Q Q V L R S M A S N    H E T A H N V I C K    T S V L D E H A G R    P F L N A A N D A D            L C N L P K K T T D    Y         </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.
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.

### DESCRIPTION

Background	<p>Leucine-rich repeat-containing protein 3B (LRRC3B) is a leucine-rich repeat-containing transmembrane protein. LRRC3B, a tumor suppressor, is involved in carcinogenesis, and the expression is down-regulated in gastric, breast, colon, testis, prostate, and brain cancers<sup>[1]</sup>. LRRC3B is involved in plant and animal immunity, hormone-receptor interactions, cell adhesion, signal transduction, regulation of gene expression, and apoptosis<sup>[2]</sup>. Besides, it's reported that LRRC3B is up-regulated in the virus infected group compared with the control, indicating LRRC3B is involved in immune-related processes that trigger the innate immune response through activation of the IFN signaling pathway<sup>[3]</sup>.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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