

Active Recombinant Rat Lrrc15 Protein, His&Avi tagged, Biotin-labeled

Cat. No. Lrrc15-11121R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Rat LRRC15 Protein, His, Avitag is expressed from human 293 cells (HEK293). It contains AA Tyr 22-Gly 535 (Accession # Q8R5M3). This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag). Predicted N-terminus: Tyr 22
Species	Rat
Source	HEK293
ProteinLength	22-535 aa
Conjugation/Label	Biotin
Description	LRRC15 (Leucine-rich repeat-containing protein 15) is also known as LIB and hLib. LRRC15 is highly expressed in a variety of solid tumors. LRRC15 was expressed on stromal fibroblasts in many solid tumors (e.g., breast, head and neck, lung, pancreatic) as well as directly on a subset of cancer cells of mesenchymal origin (e.g., sarcoma, melanoma, glioblastoma). LRRC15 expression was induced by TGFβ on activated fibroblasts (αSMA+) and on mesenchymal stem cells. These collective findings suggested LRRC15 as a novel CAF and mesenchymal marker with utility as a therapeutic target for the treatment of cancers with LRRC15-positive stromal desmoplasia or cancers of mesenchymal origin. ABBV-085 is a monomethyl auristatin E (MMAE)-containing antibody–drug conjugate (ADC) directed against LRRC15, and it demonstrated robust

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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	preclinical efficacy against LRRC15 stromal-positive/cancer-negative, and LRRC15 cancer-positive models as a monotherapy, or in combination with standard-of-care therapies.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Specificity	Protein Ratio: Passed as determined by the HABA assay/binding ELISA.
Bio-activity	Immobilized Samrotamab at 5 µg/mL (100 µL/well) can bind Biotinylated Rat LRRC15/LIB Protein, His, Avitag with a linear range of 0.3-5 ng/mL.
Molecular Mass	The protein has a calculated MW of 61 kDa. The protein migrates as 70-90 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity	>90% as determined by SDS-PAGE. >95% as determined by SEC-MALS.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Lrrc15 leucine rich repeat containing 15 [Rattus norvegicus]
Official Symbol	LRRC15

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Synonyms	LRRC15; leucine rich repeat containing 15; leucine-rich repeat-containing protein 15; rLib; leucine-rich repeat protein induced by beta amyloid; leucine-rich repeat protein induced by beta-amyloid; Lib;
Gene ID	246296
mRNA Refseq	NM_145083
Protein Refseq	NP_659551
UniProt ID	Q8R5M3

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