

Active Recombinant Monkey LRRC15 Protein, Fc-tagged

Cat. No. LRRC15-11119M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Cynomolgus/Rhesus macaque LRRC15 Protein, Fc Tag is expressed from human 293 cells (HEK293). It contains AA Tyr 22 - Gly 538 (Accession # A0A2K5UKB6-1). This protein carries a human IgG1 Fc tag at the C-terminus.
Species	Monkey
Source	HEK293
ProteinLength	22-538 aa
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 preclinical efficacy against LRRC15 stromal-positive/cancer-negative, and LRRC15 cancer-positive models as a monotherapy, or in combination with standard-of-care therapies.

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

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

 45-1 Ramsey Road, Shirley, NY 11967, USA

Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Cynomolgus/Rhesus macaque LRRC15 Protein, Fc Tag at 10 µg/mL (100 µL/well) can bind Samrotamab with a linear range of 0.3-4 ng/mL.
Molecular Mass	The protein has a calculated MW of 84.4 kDa. The protein migrates as 90-100 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU/µg by the LAL method/rFC method.
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 [<i>Macaca fascicularis</i> (crab-eating macaque)]
Official Symbol	LRRC15
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

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induced by beta-amyloid; Lib;

Gene ID 102144360

mRNA Refseq XM_015444915

Protein Refseq XP_015300401

UniProt ID A0A2K5UKB6

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