Active Recombinant Monkey LRRC15 Protein, His-tagged

Cat. No. LRRC15-11118M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Cynomolgus/Rhesus macaque LRRC15 Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Tyr 22 - Gly 538 (Accession # A0A2K5UKB6-1). This protein carries a polyhistidine 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.

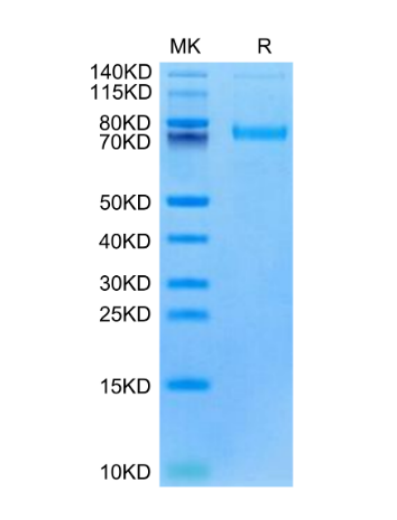
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Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Samrotamab at 1 μg/mL (100 μL/well) can bind Cynomolgus/Rhesus macaque LRRC15 Protein, His Tag with a linear range of 5-78 ng/mL.
Molecular Mass	The protein has a calculated MW of 59.9 kDa. The protein migrates as 75-90 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 [Macaca fascicularis (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
SDS-PAGE.	

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