

# Active Recombinant Monkey LRRC15 Protein, Fc-tagged

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Product Overview</b> | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Monkey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 22-538 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | <p>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.</p> |

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|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Form</b>           | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.                                                                                                                                                                                                                                       |
| <b>Bio-activity</b>   | 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.                                                                                                                                                                               |
| <b>Molecular Mass</b> | 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.                                                                                                                 |
| <b>Endotoxin</b>      | Less than 1.0 EU/µg by the LAL method/rFC method.                                                                                                                                                                                                                                                                            |
| <b>Purity</b>         | >90% as determined by SDS-PAGE. >95% as determined by SEC-MALS.                                                                                                                                                                                                                                                              |
| <b>Storage</b>        | 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. |
| <b>Reconstitution</b> | 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

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|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | LRRC15 leucine rich repeat containing 15 [ <i>Macaca fascicularis</i> (crab-eating macaque) ]                                                                                |
| <b>Official Symbol</b> | LRRC15                                                                                                                                                                       |
| <b>Synonyms</b>        | 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 Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA