Data Sheet (Cat.No.TMPK-01773)

TargetMol

LRRC15 Protein, Cynomolgus/Rhesus macaque, Recombinant (His & Avi), Biotinylated

General Information

Synonyms:	EGM_11224;LIB;LRRC15
Protein Construction:	Tyr22-Gly538
Species:	Cynomolgus/Rhesus macaque
Expression Host:	HEK293 Cells
Accession:	A0A2K5UKB6(Cynomolgus)/F7FSB9(Rhesus macaque)
Molecular Weight:	61.50 kDa (Predicted); 70-90 kDa (Reducing condition, due to glycosylation)

QC Testing

Biological Activity:	Immobilized Anti-LRRC15 Antibody, hFc Tag at 5 μg/ml (100 μl/well) on the plate. Dose response curve for Biotinylated Cynomolgus/Rhesus macaque LRRC15, His Tag with the EC50 of 75.9 ng/ml determined by ELISA.
Purity:	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Endotoxin:	< 1 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

The leucine-rich repeat-containing protein 15 (LRRC15) is involved in cell-cell and cell-matrix interactions and came into focus as a promising anticancer target owing to its overexpression in mesenchymal-derived tumors such as sarcoma, glioblastoma, and melanoma and in cancer-associated fibroblasts in the microenvironment of breast, head and neck, lung, and pancreatic tumors.

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