

LRRC15 Protein, Mouse, Recombinant (His & Avi), Biotinylated

General Information

Synonyms:	LIB;leucine rich repeat containing 15;5430427N11Rik
Protein Construction:	A DNA sequence encoding the Mouse LRRC15 (NP_083249.1) (Met1-Gly536) was expressed with a C-terminal polyhistidine tag followed by an AVI tag. The expressed protein was biotinylated in vivo by the Biotin-Protein ligase (BirA enzyme) which is co-expressed. Predicted N terminal: Tyr 22
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	NP_083249.1
Molecular Weight:	60.74 kDa (predicted); 67.4 kDa (reducing conditions)

QC Testing

Biological Activity:	Immobilized Anti-LRRC15 Antibody at 2 µg/mL (100 µL/well) can bind Recombinant Mouse LRRC15 Protein (ECD, His & AVI Tag), Biotinylated, the EC50 is 0.6-1.8 ng/mL.
Purity:	≥ 95 % as determined by SDS-PAGE. ≥ 90 % as determined by SEC-HPLC.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

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

LRRC15 (Leucine-Rich Repeat Containing 15) is a Protein Coding gene. 2 alternatively spliced human isoforms have been reported. The tumor antigen 15-leucine-rich repeat-containing membrane protein (LRRC15) is a transmembrane protein demonstrated to play important roles in cancer. LRRC15 is highly expressed in multiple

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solid tumor indications with limited normal tissue expression. It 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). The tumor antigen LRRC15, which is frequently overexpressed in multiple tumor types, as a repressor of cell death due to adenoviral p53.

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