

LRRC15 Protein, Rat, Recombinant (His)

General Information

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| Synonyms: | Lib;Lrrc15 |
| Protein Construction: | A DNA sequence encoding the Rat LRRC15 (Q8R5M3) (Met1-Gly535) was expressed with a polyhistidine tag at the C-terminus. |
| Species: | Rat |
| Expression Host: | HEK293 Cells |
| Accession: | Q8R5M3 |
| Molecular Weight: | 58.86 kDa (predicted); 62.4 kDa (reducing condition, due to glycosylation) |

QC Testing

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| Biological Activity: | Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| 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 sterile PBS, 10% Trehalose, 0.02% Tween 80, pH 7.4. Please contact us for any concerns or special requirements. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hardcopy of datasheet or the lot-specific COA. |

Preparation and Storage

Reconstitution:
Please refer to the lot-specific COA.

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 solid tumor indications with limited normal tissue expression. It was expressed on stromal fibroblasts in many

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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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