

# Recombinant Mouse Leptin

RPES6655

## Description

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This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

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**SKU:** RPES6655

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Contents:** 50µg, 10µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Mouse

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.

**Synonyms:** LEP, Leptin, OB, OBS, Obese Protein, Obesity Factor

**Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.  
Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** None

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Expression Host:** E.coli

**Bio-Activity:** Immobilized Recombinant Mouse LEPR (C-10His)(RPES6651) at 5µg/ml (100 µl/well) can bind Recombinant Mouse Leptin(RPES6655): Biotinylated by NHS- biotin prior to testing.The ED50 of Recombinant Mouse Leptin(RPES6655) is 1.16 ng/ml.

**Calculated MW:** 16.1 kDa

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 300mM NaCl, pH7.5. 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 printed manual.

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

**Observed MW:** 14 kDa

**Reconstitution:** Please refer to the printed manual for detailed information. Immobilized Recombinant Mouse LEPR (C-10His) (RPES6651) at 5µg/ml (100 µl/well) can bind Recombinant Mouse Leptin(RPES6655): Biotinylated by NHS-biotin prior to testing. The ED50 of Recombinant Mouse Leptin(RPES6655) is 1.16 ng/ml. Loaded Recombinant Mouse LEPR (C-10His) (RPES6651) on HIS1K Biosensor, can bind Recombinant Mouse Leptin(RPES6655) with an affinity constant of 0.196 nM as determined in BLI assay.

**Accession:** Q544U0

**Source:** E.coli-derived Mouse Leptin protein Val22-Cys167

**Sequence:** Val22-Cys167

**Form:** Lyophilized powder

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.

