

Mouse Leptin Recombinant Protein

Product Details

Size	1 mg
Species	Mouse
Expression system	E. coli
Amino acid sequence	Mouse Leptin recombinant protein contains 147 amino acids
Molecular weight	16.2 kDa
Class	Recombinant
Type	Protein
Purity	>98% by SDS-PAGE
Endotoxin concentration	<0.1 ng/μg
Activity	Determined active in the ob/ob mouse obesity model. The ob/ob mice were treated via intraperitoneal injection once daily at a dose of 5 μg Leptin/gm of body weight for 7 days. Significant effects on body weight, food consumption, and plasma glucose levels were observed compared to saline-treated controls.
Conjugate	Unconjugated
Form	Lyophilized
Purification	sequential chromatography
Storage buffer	0.1% TFA
Contains	no preservative
Storage conditions	-20°C

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Immunohistochemistry (IHC)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Control (Ctrl)	Assay-dependent	-

Product Specific Information

Carrier-Free

Reconstitution: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute leptin in sterile, distilled water to a concentration of 1.0-5.0 mg/mL. Further dilutions should be made in aqueous buffers supplemented with carrier protein, such as 0.1-1.0% BSA.

Storage: This lyophilized preparation is stable at room temperature for up to 3 weeks, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2°C to 8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C. Avoid repeated freeze/thaw cycles.

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