

Leptin Mouse Recombinant Protein - 010-001-320
Code: 010-001-320

Size: 1000 µg

Product Description: Leptin Mouse Recombinant Protein - 010-001-320

Concentration: 0.1 mg/mL by UV absorbance at 280 nm

PhysicalState: Lyophilized

Label	Unconjugated
Host	Other - E.coli
Gene Name	Lep
Species Reactivity	Mouse
Buffer	0.1% Trifluoroacetic acid
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	None
Preservative	None
Storage Condition	Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL) . For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.
Synonyms	Leptin, LEP cytokine, Obesity factor, Obese protein
Application Note	Leptin is suitable as a control for polyclonal or monoclonal anti-Leptin in immunological assays.
Background	Leptin inhibits food intake and stimulates energy expenditure. Leptin also has thermogenic actions and regulates enzymes of fatty acid oxidation. Severe hereditary obesity in rodents and humans is caused by defects in leptin production. In addition to its critical role in the physiologic regulation of body weight leptin has a variety of other physiologic and pathologic functions resembling those of cytokines. These functions include the regulation of hematopoiesis, angiogenesis, wound healing, inflammation, and immune responses. Recombinant Mouse Leptin produced in E. coli is a single, non-glycosylated, polypeptide chain containing 147 amino acids and having a molecular mass of 16.1 kDa.
Purity And Specificity	Purity was determined to be greater than 95% by analysis by RP-HPLC and by reducing and non-reducing SDS-PAGE.
Assay Dilutions	User Optimized
Other Assays	User Optimized
Expiration	Expiration date is six (6) months from date of opening.
Related Products	
Related Links	

NCBI

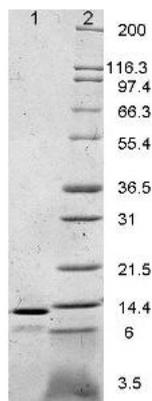
[http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=Protein&list_uids=6678678&dopt=GenPept&RID=1HH9J56001N&log\\$=protalign&blast_rank=1](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=Protein&list_uids=6678678&dopt=GenPept&RID=1HH9J56001N&log$=protalign&blast_rank=1)

UniProtKB - <http://www.uniprot.org/uniprot/P41160>

Images

1

SDS-PAGE of Leptin Mouse Cytokine. Lane 1: Leptin, reduced.
Lane 2: prestained MW markers. Load: 1 μ g per lane. Predicted/Observed size: 16 kDa, ~14 kDa for Leptin. Other band(s): none.



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