

Recombinant Mouse leptin Protein, Tag Free

Cat. No. Lep-241M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Leptin protein (P41160) (Val 22-Cys 167) without tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	22-167aa
Description	The primary function of the hormone leptin is the regulation of adipose tissue mass through central hypothalamus mediated effects on hunger, food energy use, physical exercise and energy balance. Outside the brain, in the periphery of the body, leptin's secondary functions are: modulation of energy expenditure, modulation between fetal and maternal metabolism, and that of a permissive factor in puberty, activator of immune cells, activator of beta islet cells, and growth factor.
Tag	Non
Molecular Mass	16.4 kDa
Endotoxin	Less than 1.0 EU/μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve

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months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.

Reconstitution

Reconstitute at 250 µg/mL in sterile water.

GENE INFORMATION**Gene Name**

[Lep leptin \[Mus musculus \(house mouse\) \]](#)

Official Symbol

[Lep](#)

Synonyms

LEP; leptin; obesity factor; ob; obese;

Gene ID

[16846](#)

mRNA Refseq

[NM_008493](#)

Protein Refseq

[NP_032519](#)

UniProt ID

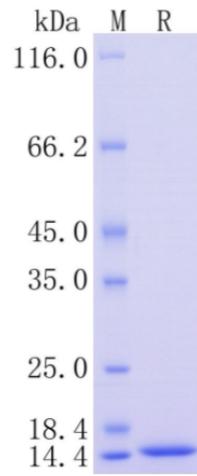
[P41160](#)

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**Protein on SDS-
PAGE under
reducing (R)
condition.**



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