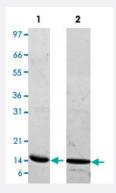


Bioactive

Lep (Rat) Recombinant Protein

Catalog # P4847 Size 1 mg

Applications



Lane 1: non-reducing conditions Lane 2: reducing conditions

Result of activity analysis

Result of activity analysis

Serial dilutions of rat Lep were added to Baf/3 cells. After 44 hours cell proliferation was measured and the linear portion of the curve was used to determine the ED50.

Specification	
Product Description	Rat Lep recombinant protein expressed in Escherichia coli.
Sequence	MVPIHKVQDDTKTLIKTIVTRINDISHTQSVSARQRVTGLDFIPGLHPILSLSKMDQTLAVYQQILTSLP SQNVLQIAHDLENLRDLLHLLAFSKSCSLPQTRGLQKPESLDGVLEASLYSTEVVALSRLQGSLQ DILQQLDLSPEC
Host	Escherichia coli
Theoretical MW (kDa)	16.2
Form	Lyophilized
Preparation Method	Escherichia coli expression system



Product Information

Endotoxin Level	< 0.1 EU/ug
Activity	The activity is determined by the leptin-dependent stimulation of mouse BaF3 indicator cells. The expected ED_{50} for this effect is 4-6.7 ng/mL.
Quality Control Testing	1 ug/lane in 4-20% Tris-Glycine gel stained with Coomassie Blue Lane 1: non-reducing conditions Lane 2: reducing conditions
Storage Buffer	Lyophilized from 0.1% TFA
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with sterilized water, store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis Serial dilutions of rat Lep were added to Baf/3 cells. After 44 hours cell proliferation was measured a nd the linear portion of the curve was used to determine the ED50.

Applications

- Functional Study
- SDS-PAGE

Gene Info — Lep	
Entrez GeneID	<u>25608</u>
Protein Accession#	<u>P50596</u>
Gene Name	Lep
Gene Alias	OB, obese
Gene Description	leptin
Gene Ontology	<u>Hyperlink</u>
Gene Summary	leptin)
Other Designations	Obesity (murine homolog, leptin)