

Product datasheet for **TP723269**

Lep (NM_013076) Rat Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Rat leptin (Lep). |
| Species: | Rat |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | MVPIHKVQDD TKTLIKTIVT RINDISHTQS VSARQRTGL DFIPGLHPIL SLSKMDQTLA VYQQILTSLP SQNVLQIAHD LENLRDLLHL LAFSKSCSLP QTRGLQKPES LDGVLEASLY STEVALSRL QGSLQDILQQ LDLSPEC |
| Tag: | Tag Free |
| Predicted MW: | 16.2 kDa |
| Concentration: | lot specific |
| Purity: | >95% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2 |
| Bioactivity: | Determined by an in vivo assay using the ob/ob mouse obesity model and NZO. Both strains of mice were treated via intraperitoneal injection once daily at a dose of 5μg leptin/gm of body weight for 7 days. Significant effects on body weight, food consumption, and plasma glucose levels were observed to saline-treated controls. |
| Endotoxin: | Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg) |
| Storage: | Store at -80°C. |
| Stability: | Stable for at least 6 months from date of receipt under proper storage and handling conditions. |
| RefSeq: | NP_037208 |
| Locus ID: | 25608 |
| UniProt ID: | P50596 |
| RefSeq Size: | 3290 |
| Cytogenetics: | 4q22 |
| RefSeq ORF: | 501 |
| Synonyms: | OB; obese |



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Summary: involved in regulation of body weight, and may have a role in angiogenesis [RGD, Feb 2006]

Product images:

