

## 32-8687: Recombinant Carassius Auratus Leptin (N-8His)

**Gene :** ob  
**Uniprot ID :** B8YI02

### Description

Source: E.coli.  
MW :18.3kD.

Recombinant Carassiusauratus Leptin is produced by our Yeast expression system and the target gene encoding Pro22-Cys171 is expressed with a 8His tag at the N-terminus. Leptin is a hormone secreted from white adipocytes and plays important role in the regulation of food intake and energy balance. Leptin functions via signaling pathways involving OB-R in hypothalamus. In mammals, leptin is mainly produced by the adipose tissue and encodes body fat reserves, acting as a short-term satiety signal. In fish, the presence of a leptin-like peptide was first evidenced by immuno-cross-reactivity [14], and its existence was certainly demonstrated after the finding by synteny of a leptin sequence in the pufferfish.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** HHHHHHHHPVHPDRLK N M V K L Q A D T I I L R I K D H N E K L K L Y P K L L I G D P E L Y P E V P A D R H I Q G L G S I M D T L T I F Q K V L Q R L P K G H V S Q I R S D L S T L L G Y L K E R T T S M H C I L K E P A N G R S L D A F L E E N A T H H I T L G Y L A L D R L K Q F M Q K L I V N L D Q L K S C

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.