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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 :	HHHHHHHHPVHPDRLKNMVKLQADTIILRIKDHNEKLKLYPKLLIGDPELYPEVPADRHIQGLGSIMDTLTIFQKV LQRLPKGHVSQIRSDLSTLLGYLKERTTSMHCILKEPANGRSLDAFLEENATHHITLGYLALDRLKQFMQKLIVNL DQLKSC

Application Note

Endotoxin : Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.