Product Name: Recombinant Carassiusauratus Leptin (N-8His)
Catalog #: PPV1075

Summary

Name	Leptin
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	B8YI02
Host	Yeast
Species	Carassius auratus
Predicted Molecular Mass	18.3 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Citrate, 8% Trehalose, 4% Mannitol, 0.02% Tween80 (w/v), pH 5.5.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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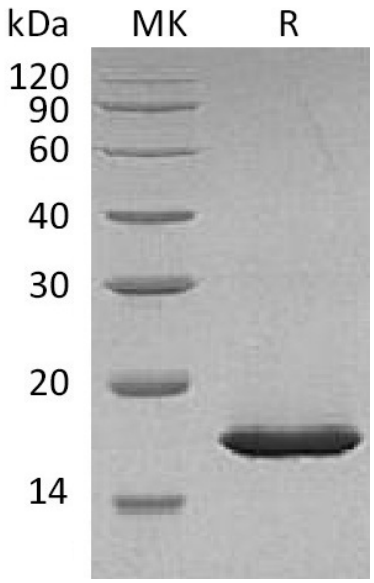

Alternative Names

Leptin; Obese Protein; Obesity Factor; LEP; OB; OBS

Background

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, and its existence was certainly demonstrated after the finding by synteny of a leptin sequence in the pufferfish.

Note

For Research Use Only , Not for Diagnostic Use.