Datasheet for ABIN7321015

# Leptin Protein (LEP) (His tag)

1 Image

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## Overview

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|---|---|
| Quantity: | 50 µg |
| Target: | Leptin (LEP) |
| Origin: | Goldfish |
| Source: | Yeast |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Leptin protein is labelled with His tag. |

## Product Details

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| Purpose: | Recombinant Carassiusauratus Leptin Protein (His Tag) |
| Sequence: | Pro22-Cys171 |
| Characteristics: | 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. |
| Purity: | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method. |

## Target Details

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| Target: | Leptin (LEP) |
| Alternative Name: | Leptin (LEP Products) |
| Background: | 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 |

## Target Details

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| | 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. Synonym: Leptin, Obese Protein, Obesity Factor, LEP, OB, OBS |
| Molecular Weight: | 18.3 kDa |
| UniProt: | B8YI02 |
| Pathways: | JAK-STAT Signaling, AMPK Signaling, Hormone Transport, Peptide Hormone Metabolism, Hormone Activity, Negative Regulation of Hormone Secretion, Regulation of Carbohydrate Metabolic Process, Feeding Behaviour, Monocarboxylic Acid Catabolic Process |

## Application Details

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| Comment: | 17 kDa |
| Restrictions: | For Research Use only |

## Handling

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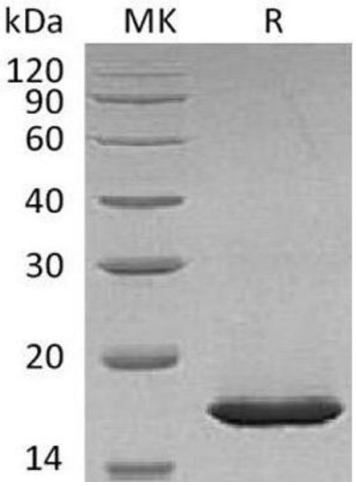
| Format: | Lyophilized |
| Reconstitution: | Please refer to the printed manual for detailed information. |
| Buffer: | Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |




**Western Blotting**

**Image 1.**