

## Product datasheet for **TP727414**

### Carassiusauratus Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant Carassius Auratus Leptin (N-8His)
<b>Species:</b>	Carassiusauratus
<b>Expression cDNA Clone or AA Sequence:</b>	Pro22-Cys171
<b>Tag:</b>	N-His
<b>Buffer:</b>	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
<b>Note:</b>	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.
<b>Stability:</b>	12 months from date of despatch
<b>Summary:</b>	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.



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