

Recombinant Zebrafish Leptin (LEP)

Cat. No.: AP7F530

Product Type: Animal Proteins

Size: 100 µg

Product Overview

BioVenic's Recombinant Zebrafish Leptin (LEP) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 16.5 kDa. The purity is >95% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Zebrafish
Expression System	<i>E.coli</i>
Purity	>95% (SDS-PAGE)
Predicted Molecular Weight	16.5 kDa
Physical State	Lyophilized
Formulation	NaHCO ₃ .

Target Information

Leptin, encoded by the *LEP* gene in zebrafish, is believed to be involved in a signaling pathway that regulates body fat depot size. This hormone, secreted by adipocytes, travels through the bloodstream, crosses the blood-brain barrier (BBB), and binds to its receptor, LepR. This interaction is known to negatively regulate appetite.

Protein	Zebrafish Leptin (LEP)
Protein Synonym	leptin; OB
Gene ID	548631
UniProt ID	Q588G0

Shipping and Storage

This product is shipped with dry ice. Avoid repeated freezing and thawing. Store at -20°C.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Aliquote the reconstituted solution to minimise freeze-thaw cycles.

Reference

Audira, Gilbert *et al.* "Zebrafish Mutants Carrying Leptin a (lepa) Gene Deficiency Display Obesity, Anxiety, Less Aggression and Fear, and Circadian Rhythm and Color Preference Dysregulation." *International journal of molecular sciences* vol. 19,12 4038. 13 Dec. 2018

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.