

## Recombinant Bovine VIP Peptides (VIP)

Cat. No.: AP9C442

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

### Product Overview

BioVenic's Recombinant Bovine VIP Peptides (VIP) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 18.3 kDa. The purity is >95% (SDS-PAGE).

### Specifications

Type	Recombinant Protein
Species	Bovine
Expression System	<i>E.coli</i>
Purity	>95% (SDS-PAGE)
Endotoxin	< 1 EU/µg
Predicted Molecular Weight	18.3 kDa
Molecular Weight	21.0 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

### Target Information

Bovine vasoactive intestinal peptide (VIP) is a 28-amino acid neuropeptide that functions as a neurotransmitter and neuromodulator with a wide range of biological effects. It is known for its vasodilatory properties and involvement in the regulation of smooth muscle activity, epithelial secretion, and blood flow in the gastrointestinal tract. In Bovine, VIP is particularly associated with the reproductive system, where it plays a role in follicle development and ovulation, as well as in the regulation of steroidogenic activity within the ovary.

Protein	Bovine VIP Peptides (VIP)
Protein Synonym	PHM27; Intestinal peptide PHV-42; Peptide histidine valine 42; Peptide histidine methioninamide 27
Gene ID	<a href="#">280956</a>

### Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquot as needed and store at -80°C upon receipt. Reconstituted protein solution can be stored at 4°C for 1 week, at < -80°C for 12 months. Avoid repeated freezing and thawing.

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### User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimise freeze-thaw cycles.

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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.