

**Prepro VIP (81-122), human**  
**Synthetic Peptide**  
**Catalog # SP2796a****Specification**

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**Prepro VIP (81-122), human - Product Information**Primary Accession  
Sequence[P01282](#)  
NH2-HADGVFTSDFSKLLGQLSAKKYLESLMGK  
RVSSNISEDPVPV-COOH**Prepro VIP (81-122), human - Additional Information****Gene ID** 7432**Other Names**

VIP peptides, Intestinal peptide PHV-42, Peptide histidine valine 42, Intestinal peptide PHM-27, Peptide histidine methioninamide 27, Vasoactive intestinal peptide, VIP, Vasoactive intestinal polypeptide, VIP

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Prepro VIP (81-122), human - Protein Information****Name** VIP ([HGNC:12693](#))**Function**

[Vasoactive intestinal peptide]: VIP is a neuropeptide involved in a diverse array of physiological processes through activating the PACAP subfamily of class B1 G protein-coupled receptors: VIP receptor 1 (VPR1) and VIP receptor 2 (VPR2) (PubMed:<a href="http://www.uniprot.org/citations/1318039" target="\_blank">1318039</a>, PubMed:<a href="http://www.uniprot.org/citations/36385145" target="\_blank">36385145</a>, PubMed:<a href="http://www.uniprot.org/citations/8933357" target="\_blank">8933357</a>). Abundantly expressed throughout the CNS and peripheral nervous systems where they primarily exert neuroprotective and immune modulatory roles (PubMed:<a href="http://www.uniprot.org/citations/3456568" target="\_blank">3456568</a>). Also causes vasodilation, lowers arterial blood pressure, stimulates myocardial contractility, increases glycogenolysis and relaxes the smooth muscle of trachea, stomach and gall bladder (PubMed:<a href="http://www.uniprot.org/citations/15013843" target="\_blank">15013843</a>).

**Cellular Location**

Secreted.

**Prepro VIP (81-122), human - Images**