

Product Name: Recombinant Human VIP (C-6His)
Catalog #: PHH1816

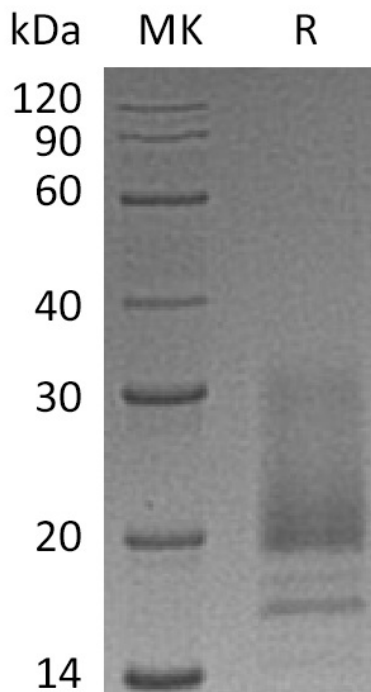


Summary

Name	VIP/VIP peptides
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Vasoactive Intestinal Peptide is produced by our Mammalian expression system and the target gene encoding Ser21-Gly152 is expressed with a 6His tag at the C-terminus.
Accession #	P01282-2
Host	Human Cells
Species	Human
Predicted Molecular Mass	15.9 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

Vasoactive intestinal peptide;VIP;Intestinal peptide PHV-42;Peptide histidine methioninamide 27;Vasoactive intestinal polypeptide

Background

Vasoactive intestinal peptide is also known as the vasoactive intestinal polypeptide or VIP. In humans, it is encoded by the VIP gene. VIP is neuropeptide which belongs to a glucagon/secretin superfamily, the ligand of class II G protein-coupled receptors. VIP is produced in many tissues of vertebrates including the gut, pancreas and suprachiasmatic nuclei of the hypothalamus in the brain. VIP stimulates contractility in the heart, causes vasodilation, lowers arterial blood pressure and relaxes the smooth muscle of trachea, stomach and gall bladder. VIP has a half-life (t_{1/2}) in the blood of about two minutes.

Note

For Research Use Only , Not for Diagnostic Use.