

Datasheet for ABIN7319168

Vip Protein (His tag)

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Overview

Quantity:	50 µg
Target:	Vip
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Vip protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human VIP Protein (His Tag)
Sequence:	Ser21-Gly152
Characteristics:	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.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Vip
Alternative Name:	VIP (Vip Products)
Background:	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

Target Details

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 in the blood of about two minutes.

Synonym: Vasoactive intestinal peptide,VIP,Intestinal peptide PHV-42,Peptide histidine methioninamide 27,Vasoactive intestinal polypeptide

Molecular Weight: 15.9 kDa

Pathways: [Hormone Activity](#), [cAMP Metabolic Process](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.