

Product datasheet for **TP725885**

Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Vasoactive Intestinal Peptide/VIP (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ser21-Gly152
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH7.4.
Note:	Recombinant Human Regenerating islet-derived protein 3-gamma is produced by our Mammalian expression system and the target gene encoding Glu27-Asp175 is expressed with a 6His tag at the C-terminus.
Storage:	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Store at $\leq -70^{\circ}\text{C}$, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Synonyms:	Vasoactive intestinal peptide;VIP;Intestinal peptide PHV-42;Peptide histidine methioninamide 27;Vasoactive intestinal polypeptide
Summary:	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 in the blood of about two minutes.



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