

VIPR2 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P76128
Synonyms:	Vasoactive intestinal polypeptide receptor 2; VIP-R-2; PACAP-R3; VPAC2; VIPR2
Species:	Human
Source:	HEK293
Accession:	P41587 (E24-V126)
Gene ID:	7434
Molecular Weight:	45-60 kDa

PROPERTIES

AA Sequence	<p> E C R F H L E I Q E E E T K C A E L L R S Q T E K H K A C S G V W D N I T C W R P A N V G E T V T V P C P K V F S N F Y S K A G N I S K N C T S D G W S E T F P D F V D A C G Y S D P E D E S K I T F Y I L V </p>
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>The VIPR2 protein functions as a receptor for Vasoactive Intestinal Peptide (VIP) as well as Pituitary Adenylate Cyclase-Activating Peptide (PACAP-38 and -27). The receptor's activity is mediated by G proteins, leading to the activation of adenylyl cyclase. Additionally, VIPR2 exhibits the capability to couple with phospholipase C, showcasing its versatility in signaling pathways. These interactions highlight the pivotal role of VIPR2 in transducing signals from VIP and PACAP, thereby participating in cellular processes regulated by cyclic AMP and phosphoinositide signaling cascades.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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