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Recombinant human VIPR2 protein, N-Trx-His

Catalog Number:	bs-42334P
Concentration:	>0.5mg/ml
Species:	Human
AA Seq:	24-121/438
Predicted MW:	29.1
Tags:	N-Trx-His
Endotoxin:	Not analyzed
Purity:	>90% as determined by SDS-PAGE
Purification:	AC
Form:	Liquid
Storage:	20mM Tris-Hcl (pH=8.0).
	Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.
Background:	Pituitary adenylate cyclase-activating polypeptide (PACAP) is a neuropeptide belonging to
	the vasoactive intestinal polypeptide/glucagon/ secretin family. It is widely distributed in
	the body, and a variety of biological actions have been reported. Recent studies have shown
	that there is a family of PACAP receptors (PACAPRs), and two members of this family have
	been identified. Mouse PACAPR-3 is a protein of 437 amino acids that has 50% and 51%
	identity with rat PACAP type I and type II receptors, respectively. It binds to vasoactive
	intestinal polypeptide as well as PACAP-38 and -27, with a slightly higher affinity for
	PACAP-38, PACAPR-3 mRNA is expressed at high levels in MIN6, at moderate levels in
	pancreatic islets and other insulin-secreting cell lines, HIT-T15 and RINm5F, as well as in the
	lung, brain, stomach, and colon, and at low levels in the heart. PACAPR-3 participates in the
	regulation of insulin secretion. insulin secretion from MIN6 cells is significantly stimulated by
	PACAP-38.

VALIDATION IMAGES



The purity of the protein is greater than 80% as determined by reducing SDS-PAGE.