

Recombinant Human VIP

Cat. No. VIP-30160TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human VIP isoform 2 with a proprietary tag: predicted molecular weight 44.66 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	169 amino acids
Description	The protein encoded by this gene belongs to the glucagon family. It stimulates myocardial contractility, causes vasodilation, increases glycogenolysis, lowers arterial blood pressure and relaxes the smooth muscle of trachea, stomach and gall bladder. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified.
Molecular Weight	44.660kDa inclusive of tags
Biological activity	useful for Antibody Production and Protein Array
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.79% Tris HCl, 0.31% Glutathione Note: Glutathione is reduced

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MDTRNKAQLLVLLTLLSVLFSQTSAPLYRAPSAALRLGDRIPFEGANEPDQVSLKEDI DMLQNALAENDTPYYDVSRNARHADGVFTSDFSKLLGQLSAKKYLESLMGKRVSNI SEDPVPVKRHSDAVFTDNYTRLRKQMAVKKYLNSILNGKRSSEGESPDFPEELEK
Sequence Similarities	Belongs to the glucagon family.
GENE INFORMATION	
Gene Name	VIP vasoactive intestinal peptide [Homo sapiens]
Official Symbol	VIP
Synonyms	VIP; vasoactive intestinal peptide; VIP peptides;
Gene ID	7432
mRNA Refseq	NM_003381
Protein Refseq	NP_003372
MIM	192320
Uniprot ID	P01282
Chromosome Location	6q24-q27
Pathway	Class B/2 (Secretin family receptors), organism-specific biosystem; G alpha (s)

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signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Glucagon-type ligand receptors, organism-specific biosystem;

Function

neuropeptide hormone activity;

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