

Product datasheet for **MC209641**

Vip (NM_011702) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vip (NM_011702) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vip
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209641 representing NM_011702 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGCCAGAAGCAAGCCTCAGTTCCTGGCATTCTGATACTTTCAGTGTGCTGTTCTCTCAGTCGC
TGGCCTGGCCTCTCTTTGGACCACCTTCTGTAGTAGTAGGCTGGATGACAGGATGCCGTTTGAAGGAGC
AGGTGACCCTGACCAAGTCTCTTTAAAAGCAGACTCTGACATCTTGCAGAATCCCTTAGCAGAAAATGCC
ACACCCATTATGATGTGTCAAGAAATGCCAGGCATGCTGATGGAGTTTTACCAGCGATTACAGCAGAC
TTCTGGGTCAGATTTCTGCCAAAAAATACCTTGAGTCACTCATTTGGCAAACGAATCAGCAGCAGCATCTC
GGAAGATCCTGTGCCAATCAAACGACACTCTGATGCCGTCTTACAGATAACTACCCCGCCTCAGAAAAG
CAAATGGCTGTGAAGAAATACCTGAACTCCATCCTGAATGGAAAGAGGAGCAGTGAGGGAGATTCTGCAG
ACTTTCTTGAAGAGCTGGAGAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_011702
Insert Size:	516 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



[View online »](#)

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>BC089511</u> , <u>AAH89511</u>
RefSeq Size:	1466 bp
RefSeq ORF:	516 bp
Locus ID:	22353
UniProt ID:	<u>P32648</u>
Cytogenetics:	10 A1
Gene Summary:	<p>This gene encodes a neuropeptide of the glucagon/secretin superfamily with potent bronchodilator, immunomodulator and anti-inflammatory properties. The encoded protein is proteolytically processed to generate two structurally similar neuropeptides - vasoactive intestinal peptide (VIP) and peptide histidine isoleucine (PHI). In the digestive tract, VIP stimulates relaxation of enteric smooth muscle, secretion of water and electrolytes, release of insulin and glucagon, and inhibition of gastric acid secretion. In the cardiovascular system, VIP causes coronary vasodilation and stimulates contractility in the heart. Mice lacking VIP exhibit airway hyperresponsiveness and airway inflammation. Male mice lacking VIP exhibit moderate pulmonary arterial hypertension resulting in increased mortality. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2015]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>