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Product datasheet for MC206869

Cartpt (BC056431) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cartpt (BC056431) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cartpt
Synonyms:	Cart
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC206869 representing BC056431. Blue=ORF Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGAGAGCTCCCGCCTGCGGCTGCTACCCCTCCTGGGCGCCGCCCTGCTGCTACTGCTACCTTTGCTG GGTGCCCGTGCCCAGGAGGACGCCGAGCTGCAGCCCCGAGCCCTGGACATCTACTCTGCCGTGGATGAT GCGTCCCACGAGAAGGAGCTGCCAAGGCGGCAACTTCGGGCTCCCGGCGCTATGTTGCAGATCGAAGCG TTGCAAGAAGTCCTGAAGAAGCTCAAGAGTAAACGCATTCCGATCTACGAGAAGAAGTACGGCCAAGTC CCCATGTGTGACGCTGGAGAGCAGTGCGCAGTGAGGAAAGGGGCCAGGATCGGGAAGCTGTGTGACTGT CCCCGAGGAACTTCCTGCAATTCTTTCCTCTTGAAGTGCTTGTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	BC056431
Insert Size:	390 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).
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).

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Reconstitution Method:	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:	BC056431
RefSeq Size:	607 bp
RefSeq ORF:	389 bp
Locus ID:	27220
Cytogenetics:	13 D1
MW:	14.3 kDa
Gene Summary:	This gene encodes preproprotein isoforms that are processed into multiple biologically active peptides. Expression of this gene is regulated by cocaine and other drugs, and is associated with feeding/appetite and stress response. Mice lacking the encoded protein are predisposed to obesity. Deficiency of the encoded protein in mice results in pancreatic islet dysfunction, impaired insulin secretion and glucose intolerance. Alternative splicing results in multiple transcript variants encoding different isoforms, which are subsequently processed into mature peptides. [provided by RefSeq, Jul 2015]

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