

Product datasheet for RN211032

Penk (NM_017139) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Penk (NM_017139) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Penk
Synonyms:	Enk; Penk-rs; Penk1; Penk2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN211032 representing NM_017139 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCAGTTCCTGAGACTTTGCATCTGGCTCGTAGCGCTTGGGTCCTGCCTCCTGGCTACAGTGCAGG
CAGACTGCAGCCAGGACTGCGCTAAATGCAGCTACCGCCTGGTACGTCCCAGGACATCACTTCTCTGGC
ATGCACACTCGAATGTGAAGGGCAGCTGCCTTCTTTCAAATCTGGGAGACCTGCAAGGATCTCCTGCAG
GTGTCCAAGCCCAGTTCCTTGGGATAACATCGACATGTACAAAGACAGCAGCAACAGGATGAGAGCC
ACTTGCTAGCCAAGAAGTATGGAGGGTTCATGAAACGGTATGGAGGCTTCATGAAGAAGATGGATGAGCT
TTACCCCGTGGAGCCAGAAGAAGAGGCCAATGGAGGCGAGATCCTTGCCAAGAGGTATGGCGTTTCATG
AAGAAGGATGCAGATGAGGGAGACACCTTGCCAACTCCTCCGACCTGCTGAAAGAGCTACTGGGAACAG
GAGACAACCGTGCAGAAAGATAGCCACCAACAGGAAAGCACCAACAATGATGAAGACAGCAGGAGCAAGAG
GTATGGGGGCTTCATGAGAGGCCCAAAAGAAGCCCCAGCTGGAAGACGAAGCAAGGAGCTGCAGAAAG
CGCTATGGGGGCTTCATGAGAAGGGTCGGGCGCCCCGAGTGGTGGATGGACTATCAGAAGAGATACGGAG
GCTTCTGAAGCGCTTTGCTGAGTCTCTACCCTCGGATGAAGAAGGCGAAAGTTACTCTAAAGAAGTTCC
CGAGATGGAAAAAAGATACGGAGGCTTTATGCGGTTTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_017139
Insert Size:	810 bp



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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).
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:	NM_017139.1 , NP_058835.1
RefSeq Size:	1446 bp
RefSeq ORF:	810 bp
Locus ID:	29237
UniProt ID:	P04094
Cytogenetics:	5q12
Gene Summary:	neuropeptide hormone; plays a role in the responses to stress and pain perception [RGD, Feb 2006]