

## Product datasheet for MR203555

### Penk (NM\_001002927) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Penk (NM_001002927) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Penk
Synonyms:	A1326464; ENK; Penk1; PPA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203555 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGCGTTCTGAGGCTTTGCACCTGGCTGCTGGCGCTTGGGTCTGCCTCCTGGCTACAGTGCAGG  
CGGAATGCAGCCAGGACTGCGCTAAATGCAGCTACCGCTGGTTCGCCAGGCGACATCAATTTCTGGC  
GTGCACACTGGAATGTGAAGGACAGCTGCCTTCTTTCAAATCTGGGAGACCTGCAAGGATCTCCTGCAG  
GTGTCCAGGCCGAGTTCCTTTGGGATAACATCGACATGTACAAAGACAGCAGCAACAGGATGAGAGCC  
ACTTGCTAGCCAAGAAGTACGGAGGCTTCATGAAACGGTACGGAGGCTTCATGAAGAAGATGGACGAGCT  
ATATCCCATGGAGCCAGAAGAAGCGAACGGAGGAGAGATCCTTGCCAAGAGGTATGGCGGCTTCATG  
AAGAAGGATGCAGATGAGGGAGACACCTTGCCCAACTCCTCCGATCTGCTGAAAGAGCTACTGGGAACGG  
GAGACAACCGTGCGAAAGACAGCCACCAACAAGAGAGCACCAACAATGACGAAGACATGAGCAAGAGGTA  
TGGGGGCTTCATGAGAAGCCTCAAAGAAGCCCCAACTGGAAGATGAAGCAAAAGAGCTGCAGAAGCGC  
TACGGGGCTTCATGAGAAGGTGGGACGCCCGAGTGGTGGATGGACTACCAGAAGAGGTATGGGGCT  
TCCTGAAGCGCTTTGCTGAGTCTCTGCCCTCCGATGAAGAAGGCGAAAATTACTCGAAAGAAGTTCTCTGA  
GATAGAGAAAAGATACGGGGCTTTATGCGGTTT

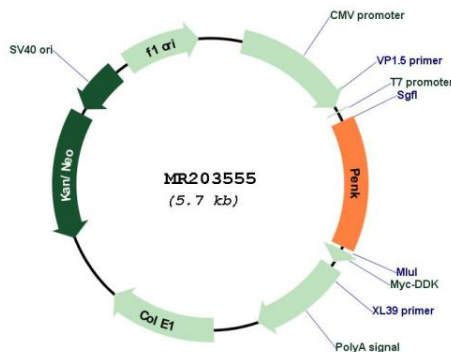
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001002927.3</a></u>
<b>RefSeq Size:</b>	1442 bp
<b>RefSeq ORF:</b>	807 bp
<b>Locus ID:</b>	18619
<b>UniProt ID:</b>	<u><a href="#">P22005</a></u>
<b>Cytogenetics:</b>	4 2.31 cM
<b>MW:</b>	31 kDa
<b>Gene Summary:</b>	Met- and Leu-enkephalins compete with and mimic the effects of opiate drugs. They play a role in a number of physiologic functions, including pain perception and responses to stress. PENK(114-133) and PENK(238-259) increase glutamate release in the striatum. PENK(114-133) decreases GABA concentration in the striatum.[UniProtKB/Swiss-Prot Function]

**Product images:**


Circular map for MR203555