

Product datasheet for MG203555

Penk (NM_001002927) Mouse Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	Penk (NM_001002927) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Penk
Synonyms:	Al326464; ENK; Penk1; PPA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203555 representing NM_001002927 Red=Cloning site Blue=ORF Green=Tags(s)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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ORIGENE Pen	k (NM_001002927) Mouse Tagged ORF Clone – MG203555
Protein Sequence:	>MG203555 representing NM_001002927 Red=Cloning site Green=Tags(s)
	MARFLRLCTWLLALGSCLLATVQAECSQDCAKCSYRLVRPGDINFLACTLECEGQLPSFKIWETCKDLLQ VSRPEFPWDNIDMYKDSSKQDESHLLAKKYGGFMKRYGGFMKKMDELYPMEPEEEANGGEILAKRYGGFM KKDADEGDTLANSSDLLKELLGTGDNRAKDSHQQESTNNDEDMSKRYGGFMRSLKRSPQLEDEAKELQKR YGGFMRRVGRPEWWMDYQKRYGGFLKRFAESLPSDEEGENYSKEVPEIEKRYGGFMRF
	TRTRPLE - GFP Tag - V
Chromatograms:	https://cdn.origene.com/chromatograms/ja1760_c03.zip
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	Cloning sites used for ORF Shuttling: Sgf1 ORF Miu I GCGATCGC C ATG NIZI ACG CGT
	$\frac{Kozac}{Consensus} \underbrace{Sgf1} Asci$ CTATAGGGCGGCCGGGAATTCGTCGACTGGATCGGTACCGAAGAGAGATCTGCCGCCGCGGCGCGCGC
ACCN:	NM_001002927

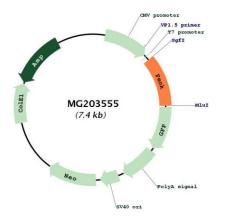
%// _

ACCN:	NM_001002927
ORF Size:	804 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at customercare team at

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GRIGENE Penk (I	NM_001002927) Mouse Tagged ORF Clone – MG203555
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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>NM 001002927.3</u>
RefSeq Size:	1443 bp
RefSeq ORF:	807 bp
Locus ID:	18619
UniProt ID:	<u>P22005</u>
Cytogenetics:	4 2.31 cM
Gene Summary:	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 MG203555

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