

Product datasheet for MC217727

Otc (BC024893) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Otc (BC024893) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Otc
Synonyms:	A1265390; Sf; spf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC217727 representing BC024893 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGTCTAATTTGAGGATCCTGCTCAACAATGCAGCTCTTAGAAAGGGTCACACTTCTGTGGTTCGAC
ATTTTTGGTGTGGGAAGCCAGTCCAAAGTCAAGTACAGCTGAAAGGCCGTGACCTCCTCACCTTGAAGAA
CTTCACAGGAGAGGAGATTACAGTACATGCTATGGCTCTCTGCAGATCTGAAATTCAGGATCAAGCAGAAA
GGAGAATATTTACCTTTATTGCAAGGAAATCCTTAGGAATGATTTTTGAGAAAAGAAGTACTCGAACAA
GACTGTCCACAGAAACAGGCTTTGCTCTGCTGGGAGGACACCCTTCTTTCTTACCACACAAGACATTCA
CTTGGGTGTGAATGAAAGTCTCACAGACACCGCTCGTGTCTTATCTAGCATGACAGATGCAGTGTTAGCT
CGAGTGTATAACAATCAGATCTGGACACCCTGGCTAAAGAAGCATCCATCCCAATTGTCAATGGACTGT
CAGACTTGTATCATCCTATCCAGATCCTGGCTGATTACCTTACACTCCAGGAACACTATGGCTCTCTCAA
AGGTCTTACCCTCAGCTGGATAGGGGATGGGAACAATATCTTGCCTCTATCATGATGAGTGTGCAAAA
TTCGGGATGCACCTTCAAGCAGCTACTCCAAAGGGTTATGAGCCAGATCCTAATATAGTCAAGCTAGCAG
AGCAGTATGCCAAGGAGAATGGTACCAAGTTGTCAATGACAAATGATCCACTGGAAGCAGCACGTGGAGG
CAATGTATTAATTACAGATACTTGATAAAGACTGCCAAAGTGGCTGCGTCTGACTGGACATTTTTACACTGTT
TTCCAAGGTTACCAGGTTACGATGAAGACTGCCAAAGTGGCTGCGTCTGACTGGACATTTTTACACTGTT
TGCCTAGAAAGCCAGAAGAAGTGGATGATGAAGTATTTTATTCTCCACGGTCATTAGTGTCCAGAGGC
AGAGAATAGAAAGTGGACAATCATGGTCTCACTGAGATCTCACCATGCCCTTGCCTTGGATCACTCTTC
TTA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	BC024893
Insert Size:	1056 bp
OTI Disclaimer:	<p>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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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:	BC024893 , AAH24893
RefSeq Size:	3011 bp
RefSeq ORF:	1055 bp
Locus ID:	18416
Cytogenetics:	X 4.66 cM
Gene Summary:	Catalyzes the second step of the urea cycle, the condensation of carbamoyl phosphate with L-ornithine to form L-citrulline. The urea cycle ensures the detoxification of ammonia by converting it to urea for excretion.[UniProtKB/Swiss-Prot Function]