

Product datasheet for MC217947

AI790298 (BC023699) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AI790298 (BC023699) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	AI790298
Synonyms:	AI790298; Atpgd1; mKIAA1394
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC023699

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTGCTTGGCAAAGCAGAAGAGCCGCACACAGCTACATCTGTTGCGGTGCCAGGGCCACCCCTGGCCTT
 CGACCTCTCTCCATGCTGTGGCCTGTTGCCATTGGAGAATGAGGCTGATGTGGAGAGAGCCATTTACCA
 GGTACCCCTGCCAGGTGTGATGAACTGGAATTTGGGTCAGGAGCAGTAGGCGTGCAGCTGGTGAAGGAT
 GGGCCTCAGTGCCGTGAGCACTTTCCCGGATCCTCCATGACCTGCAGGGTGAGGCTGACCACCCTGGCA
 TCGGGCTGGGCTGGGCAATGCTATGCTGCTGATGGAGTTTGTGAGGGCACAGAGCATGACGTGGACCT
 GGTGGTGTTCGGTGGACGGTTGCTGGCTGCTTTCGTCTCCGATAATGGCCCCACAAGGCTGCCTGGCTTC
 ACAGAGACTGCAGCCTGCATGCCCACTGGGCTAGCACCAGAGCAGGAGGCCAGATGGTGCAGGCAGCCT
 TTCGCTGCTGCCTGGGCTGTGGCTGCTGGATGGGGTTTTCAATGTGGAGCTCAAGATGACTGGGCTGG
 GCCAAGGCTCATCGAGATTAACCCTCGAATGGGAGGCTTCTACCTTCGAGACTGGATCCTAGAGCTCTAT
 GGTGTGGATTGCTTCTGGCTTCTACAATGGTGGCCTGTGGCCTGCAGCCTGCCTTGCTGCTCACCCTC
 GTGCCCGTGGCTACCTAGTGGGCATCATGTGCCTGGTGTCCCAGCACCTACAGCTGCTGAGTCCCGGAG
 CAGTAGAGAGACTCTGCAAACCTCCATGACCAGGGGCAATTACGACTCAACCTGCTGGAGGAGGCCCTG
 ATACCTGGCCAGTATGAGGAGCCCTACTGCAATGTGGCCTGTGCTGGGCCAGCCCTGCTGAGGCCCTGTC
 ACCGCCTGCTAGGCATCTGTGAGGCTTGGGCATTGACAGGCCCACTACCCTGTTGCCCATTTCTCTGTC
 TCATTTCAAATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	BC023699
Insert Size:	993 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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC023699, AAH23699</u>
RefSeq Size:	2395 bp
RefSeq ORF:	992 bp
Locus ID:	107239
Cytogenetics:	19 A
Gene Summary:	Catalyzes the synthesis of carnosine and homocarnosine. Carnosine is synthesized more efficiently than homocarnosine.[UniProtKB/Swiss-Prot Function]