

Product datasheet for MC208434

Emb (NM_010330) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Emb (NM_010330) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Emb
Synonyms:	AL022799; Gp70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208434 representing NM_010330 Red =Cloning site Blue =ORF

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGC

ATGCGCTCGCACACTGGCCTGAGGGCGCTTGTGGCGCCTGGTTACCCGCTCCTCCTTCTATGTCTTCTGG
 CGGCGACGCGCCCTGATCCGGCTGAGGGCGATCCACAGATCCAACCTTTACAAGTCTACCTGTTTCGAGA
 AGAAATGATGGCGAAATACTCAAACCTTTCCTTAAAGAGCTGTAATATCTCAGTGACGGAAGTCCAAT
 GTATCAGTAGAAGAGAACGTAATTTTGGAAAAGCCTTCTCATGTGGAACCTAAATGCGTGTACACAGCAA
 CTAAGGATTTGAACCTTGATGAATGTGACTTGAAGAAAGATGATGAGCCCTTGAGACTACGGGTGACTT
 CAATACAATAAAATGGGCAACACCTTAACCAGTCAGTACAGGTTTCATCGTTTTTAATAGCAAACAATTG
 GGAAAATATTCTTGTGTCTTTGGAGAAAAGGAACTAAGAGGGACCTTTAATATCCACGTACCCAAAGCTC
 ATGGGAAAAAAGTCGTTGATCGCTTACGTGGGGATTCTACTGTGCTGAAGTGTGTATGTCAAGATTG
 TCTTCCTTTAAATTGGACTTGGTACATGGGTAATGAAACCGCACAGGTTCCCATTTGACGCTCACTCGAAT
 GAAAAGTATATCATCAATGGTTCCCATGCCAATGAAACAAGGCTCAAGATTAAGCATCTTTTGGAGGAAG
 ATGGAGGATCCTACTGGTGTCTGCCACCTTCCAGTTAGGGGAGAGTGAGGAGCAGAATGAGCTGGTTGT
 GCTGAGCTTCTGGTGCCCTCAAGCCATTCTGGCCATACTTGCCGAAGTCATCCTCTTGGTGGCCATC
 ATTCTGCTTTGTGAAGTGTACACACACAAGAAAAAGAATGACCCAGATGCTGGGAAAGAATTTGAACAAA
 TTGAACAGCTGAAATCAGATGATAGCAATGGCATAGAAAACAATGTCCCCGGTACAGAAAACTGACTC
 TGCAGATCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_010330
Insert Size:	993 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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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:	BC014858 , AAH14858
RefSeq Size:	2139 bp
RefSeq ORF:	993 bp
Locus ID:	13723
UniProt ID:	P21995
Cytogenetics:	13 D2.3
Gene Summary:	Plays a role in targeting the monocarboxylate transporters SLC16A1 and SLC16A7 to the cell membrane (By similarity). Plays a role in the outgrowth of motoneurons and in the formation of neuromuscular junctions. Following muscle denervation, promotes nerve terminal sprouting and the formation of additional acetylcholine receptor clusters at synaptic sites without affecting terminal Schwann cell number or morphology. Delays the retraction of terminal sprouts following re-innervation of denervated endplates.[UniProtKB/Swiss-Prot Function]