

Product datasheet for MC209825

Cabp5 (NM_013877) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cabp5 (NM_013877) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cabp5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC209825 representing NM_013877 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGTTTCCAATGGGTCTGCCTGCATCTTCTTGAGAAAAGGCATTGCTGAAAAGCAGCGGGAGAGAC
CACTGGGACAGGATGAGCTTGATGAGCTCCGGGAAGCATTCTTGAATTTGACAAGGACCAAGATGGGTT
CATCTCTTACAAGGATTTGGCAATCTCATGAGAACGATGGGTTACATGCCTACAGAGATGGAGTTGACT
GAGTTGGGCCAGCAAATCCGAATGAACCTTGGTGGCCGTGTAGACTTTGAAGACTTTGTGGAAGTATGA
CCCCAAATTGCTTGCAGAGACAGCAGGGATGATTGGTGTCCAGGAGATGCGAGATGCCTTCAAGGAGTT
TGATGCCAATGGAGATGGGGAGATCACACTGGCAGAACTGCAGCAGGCCATGCAGAGGCTGCTGGGGGAG
AAGCTCACACCCCGGAGATTGCTGAGGTGGTACAGGAGGCTGATATCAATGGAGATGGCACTGTTGACT
TTGAAGAGTTTGTGAAGATGATGTCTCGTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_013877
Insert Size:	522 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).



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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.

RefSeq: [NM_013877.3](#), [NP_038905.1](#)

RefSeq Size: 1745 bp

RefSeq ORF: 522 bp

Locus ID: 29865

UniProt ID: [Q9JLK3](#)

Cytogenetics: 7 A1

Gene Summary: Inhibits calcium-dependent inactivation of L-type calcium channel and shifts voltage dependence of activation to more depolarized membrane potentials (PubMed:18586882). Involved in the transmission of light signals (PubMed:18586882). May positively regulate neurotransmitter vesicle endocytosis and exocytosis in a salt-dependent manner (PubMed:22039235). May play a role in the extension and network organization of neurites (PubMed:22039235).[UniProtKB/Swiss-Prot Function]