

Product datasheet for MC208316

Cplx2 (NM_009946) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cplx2 (NM_009946) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cplx2
Synonyms:	921-L; AI413745; AW492120
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC208316 representing NM_009946 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACTTCGTCATGAAGCAAGCCCTCGGAGGGGCCACCAAGGACATGGGAAGATGCTGGGGGAGAGG
AGGAGAAGGACCCAGACGCACAGAAGAAGGAGGAGGAGCGGCAGGAGGCCCTGAGGCAGCAGGAGGAAGA
GCGCAAGGCGAAACACGCCCGCATGGAAGCCGAGCGCGAGAAGGTCCGGCAGCAGATCCGAGACAAGTAT
GGGCTGAAGAAGAAGGAAGAGAAAGAGGCAGAGGAGAAGGCAGCCCTGGAACAGCCCTGCGAGGGGAGCC
TGACCCGACCCAAGAAGGCCATCCCTGCAGGCTGTGGGGACGAGGAGGAGGAGGAAGAGGAGAGCATCCT
GGACACAGTGCTCAAATATCTGCCAGGGCCGCTGCAGGACATGTTCAAGAAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_009946
Insert Size:	405 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_009946.3](#), [NP_034076.1](#)

RefSeq Size: 4928 bp

RefSeq ORF: 405 bp

Locus ID: 12890

UniProt ID: [P84086](#)

Cytogenetics: 13 B1

Gene Summary: Negatively regulates the formation of synaptic vesicle clustering at active zone to the presynaptic membrane in postmitotic neurons. Positively regulates a late step in exocytosis of various cytoplasmic vesicles, such as synaptic vesicles and other secretory vesicles (PubMed:11163241, PubMed:23345244). Also involved in mast cell exocytosis (PubMed:11163241). Although not essential for development, seems critical for the acquisition of higher cognitive functions in the adult brain (PubMed:12915444).
[UniProtKB/Swiss-Prot Function]