

Product datasheet for **MC203921**

Cplx4 (NM_145493) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cplx4 (NM_145493) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cplx4
Synonyms:	A930004D23Rik; CPXIV; Gm957
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC016082

```
CGCAAATCCTTCGCTCCCAAATGTGTGGCTGTGGTTGAAATATTTGGAGGTTTTGCTTTGGTTTGGTTG
GGGTATATTTTTTTTTTTTTTGTGATCTTTGACAGGGTTTCAGTTCTCCAAGGCCGAGAAATGGCTTTT
TTTGTGAAAAATATGATAAGTAACCAAGTAAAGAATTTAGGATTTGGAGGTGGGTCTGAAGAAAAGAAAG
AAGAAGGAGGCACCTCAGACCCCGCGCGGCTAAAGGGATGACTAGAGAGGAATACGAGGAATACAGAA
GCAGATGATTGAAGAGAAGATGGAGAGAGATGCCGATTTACGCAGAAAAAGGCAGAGAGGGCGTCCTA
CGAGTCCACCTCAGGGACAAGTACAGGCTTCCAAAGAGTGAAATGGATGAGACACAAATCCAAGTGGCTG
GAGACGATGTGGACTTACCAGAAGATCTCCGAAAGATGGTAGATGAAGACCAAGATGAGGAAGAGGAGAA
GGATTCTATCCTTGGGCAGCTGCAGAACCTCCAAACATGGACTTGGATACCATTAAAGAAAAGGCACAA
GCCACCTTCACAGAAATCAAGCAGTCAGCAGAGCAGAAGTGTCTGTGATGTGAGAGGGGCAGACTGCCT
TCAGGAAGACGGGGCTCCTGGGGGTGGGCATGACCAGCACGCATTATAACTTAGCAAATATATCTAGGGA
AACCATGATGCTGAGGCTGTCTACTACCGCATGTAGACAATAACTCGGTCTGATCTTGATGTCCAGGTA
CGGCACTAACCCAGCCACACATCACGGGCACGGAACATGTTTCCCTTTAGTTATAGCCACAAATAATTAA
GGAATATCAGCCATAAGTTATGATGTGGGACCATCTGGTTAAAGATCTTTAGGACAGCCAGAAAGAGTCA
AACAAAAGCATTTCTTTCCAGCTTTCTTCCTTATCGAGCAGGTCCCAACCATCAGCGTGATTCGTTACC
TCTAGAGGAAAGGCTGCTCGCCTGGTACCAAGACTACAGACAGGTGACAGAGCAATCAGATGTCACGTTG
CTTTTTACTTGCAGCATCCTTGATATCCATGATTTTTTTCCCTTAAACCGGCTCTCAGACACTGTGCA
AGTCATTTTGTGTTTCTGCAATCAAATATCTGATATACACATCATAAATGGAAGAAAGATTTATGCGGGG
GTCATGGTTCCAGAGTCCAGTCCATGGTTGCTTGGCTGTATGGGATTGGGCAGAACCCCATGGCAGGGA
GGATAGAGGGTGGAGTGGCATCCAGGAACAAGAAATGCACAGTCATCTACTATCCTTAAGTTAGGTCCTA
CCTGCGATCCTTTAATACAGTTCCTCACGTGGGGTGACCCTCCCCCAGCCACAAAAATTATTTTCTCTG
CTATTTTCATAACTGTAATTTTTCTAGTGTATGGGTTGTAATATAAGTATCTGTGTTTTCTGGTGGTCTT
AGGCGACCTCTGTGAAAGGATTGAGAACAGCTACCCTGGTACATCGCACCAGATGACTCTATCTCAGTTA
ACACCAACTCCTGAGAATATGGGCTGGGCAGGACGATGTGTATATTGGGTGAGAAATCTCAAACATT
CTTTTGTGGCCCTTTCACTTGAGAAATTTTACACACTCTGGTGTATATATGTAATATTTCACTGACAA
GTCATAAAAAAACTGAAACAACTTACATCTAATTTTAGCATTTATTAATAAAAGGAAATGTGTATTC
TAAGAAAAAAAAAAAAA
```



[View online »](#)

Restriction Sites:	RsrII-NotI
ACCN:	NM_145493
Insert Size:	483 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>BC016082</u> , <u>AAH16082</u>
RefSeq Size:	1767 bp
RefSeq ORF:	483 bp
Locus ID:	225644
UniProt ID:	<u>Q80WM3</u>
Cytogenetics:	18 E1
Gene Summary:	Complexin that regulates SNARE protein complex-mediated synaptic vesicle fusion (PubMed:19386896). Required for the maintenance of synaptic ultrastructure in the adult retina (PubMed:19386896). Positively regulates synaptic transmission through synaptic vesicle availability and exocytosis of neurotransmitters at photoreceptor ribbon synapses in the retina (PubMed:15911881, PubMed:19386896, PubMed:27335398). Suppresses tonic photoreceptor activity and baseline 'noise' by suppression of Ca(2+) vesicle tonic release and the facilitation of evoked synchronous and asynchronous Ca(2+) vesicle release (PubMed:22694764, PubMed:27335398).[UniProtKB/Swiss-Prot Function]