

Product datasheet for MC201944

Cplx3 (NM_146223) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cplx3 (NM_146223) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cplx3
Synonyms: BC016632; CpxIII; ERGIC-53L; ERGL; Lamn1l; Lman1l
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC024854 sequence for NM_146223
 GAGCTCGCAACCGAGCTGTCCCCGGGACTTAGTGCTGAAGTAGGCGCTGACGAACCAGGCGCTGGTG
 GGTGGTCAGAAAAGACCATGGCGTTTCATGGTGAAGTCCATGGTGGGTGGCCAACCTGAAGAACCTCACAGG
 GAGCCTGGGGGGCGGCGAGGACAAGGGGACGGAGACAAGTCTGCAGCCGAAGCACAGGGCATGAGCCGA
 GAAGAGTACGAGGAGTATCAGAAGCAACTGGTGGAGGAGAAGATGGAGCGAGATGCACAGTTCACACAGA
 GGAAGGCAGAGCGGGCCACTGCGAAGTCACTTCAGAGACAAATACCGTCTGCCAAGAACGAAACAGA
 TGAAAGCCAGATCCAGCTGGCAGGCGGAGATGTGGAGCTGCCTCGGGAGCTAGCCAAGATGATCGAGGAG
 GATACGGAGGAAGAGGAGGATAAGGCCTCTGTGCTCGGGCAGCTGGCCAGCTCCCTGGCCTAGACCTCA
 GCTCACTCAAGGACAAAGCCCAGACTACACTAGGGGACCTCAAGCAATCAGCTGAGAAGTGCCATATCAT
 GTGACCACTTCCCCTGGATTCTCTCTAGGATGGCCAGAGGGCTGGTCCACATGAGGGCTAAGAGAGTG
 AGTGTCTCAACTCCGGATACCTCCAGTCCATTTGGACTCTGCTTTCCCTGCCCCAGCCTAGCCTGAGC
 CGTCTCGTCCATGTCCAGCTCTAGCTCTGGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTC
 TCTCTCTTTATTGTGAGCAAAGTTCCCATTCTTCCCTCTCTCCCTCCGCTGCCTGAAAAGTTTCCCAGG
 TTGATAGAATTAGCCCAACCTTTCTGGGTACAGCCTCCTGTTCTTACACAAGAGCACTACAAGAGGA
 CACAGAAGCCCTGGCTCATTTGCCACAGATGCATCCTGGCACACACAGACACACGCTCTCCTGGGCTCCCA
 GCCCTCCAGATACCAGCACCCAGAGGCCCTTAGGAGAGCCTCTGGGCACACAGAAGACCTGCTCTTATC
 CCTACCTTTATGATCCTAGAAGCTTTTCTTCTTCTGGGTTTTACCATCTGTAATAATGGGAATGGACTGA
 GTGATTTCCAAAATTCTCTCTGATTGGCATTCTGGCCACTCAGAATAGAGCCACATCCCTTCTTGGG
 CAGGGCAGCAGCTGCAGTCCCAGCATCACACAGCTGCCACTGTGGGTTCTGGGAGCTGAGCAATGCTGTG
 TGAGGGCAGAGTGCCAGGGATGGAGCTGGCACTGAACAGTAGCTCCAGGCCTCCTCTGGGCCAGGGCT
 GAGCCAACTGTGTTCTGTTCTGTAGAAATCTCTGGATTCCATAGTTGGAATTTCTCTTCTCGTTCAG
 TGAAAAATAAAAATTCCAATGACGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_146223
Insert Size: 477 bp



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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:	<ol style="list-style-type: none">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:	BC024854 , AAH24854
RefSeq Size:	1443 bp
RefSeq ORF:	477 bp
Locus ID:	235415
UniProt ID:	Q8R1B5
Cytogenetics:	9 B
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]