

Product datasheet for RC205172

CPLX3 (NM_001030005) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CPLX3 (NM_001030005) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CPLX3
Synonyms: CPX-III; CPXIII; Nbla11589
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC205172 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGTTCATGGTGAAGACCATGGTGGGCGGCCAGCTGAAGAACCTCACTGGGAGCCTGGGAGCGGGC
 AGGATAAGGGAGATGGGACAAGTCGGCAGCCGAAGCTCAGGGCATGAGCCGGGAGGAGTACGAGGAGTA
 TCAGAAGCAACTCGTGAAGAGAAGATGGAGCGGGATGCACAGTTCACACAGAGGAAGGCAGAGCGGGCC
 AACTGCGGAGCCACTTCGAGACAAATACCGGCTACCCAAGAACGAGACAGATGAGAGCCAGATCCAGA
 TGGCAGGTGGAGACGTGGAGCTGCCCGGGAGCTGGCCAAGATGATCGAGGAGGACACAGAGGAGGAGGA
 GGAGAAGGCCTCAGTCCTTGGGCAGCTGGCCAGCCTTCTGGCTTGAACCTGGGCTCACTCAAGGACAAG
 GCCCAGGCCCACTGGGGATCTCAAGCAATCAGCTGAGAAGTGTACGTCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC205172 protein sequence
 Red=Cloning site Green=Tags(s)

MAFMVKTMVGGQLKNLTGSLGGGEDKGDGKSAAEAQMSREEYEEYQKQLVEEKMERDAQFTQRKAERA
 TLRSHFRDKYRLPKNETDESIQIMAGGDVELPRELAKMIEEDTEEEEEKASVLGQLASLPLNLGSLKDK
 AQATLGDLKQSAEKCHVM

TRTRPLEQK**L**ISEEDLAANDILDYKDDDDK**V**

Chromatograms: https://cdn.origene.com/chromatograms/mk6313_g11.zip

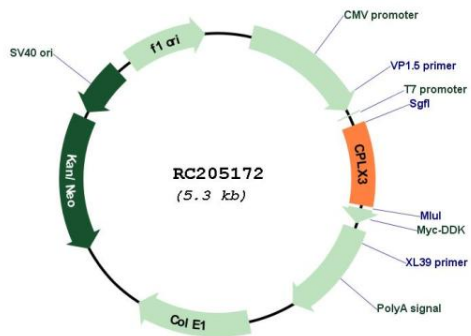


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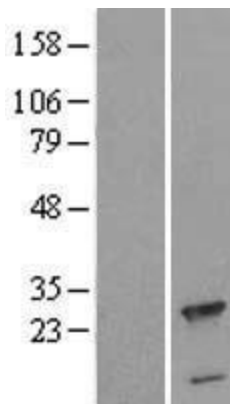
UniProt ID: [Q8WVH0](#)
 Cytogenetics: 15q24.1
 MW: 17.6 kDa

Gene Summary: Complexin that regulates SNARE protein complex-mediated synaptic vesicle fusion (By similarity). Required for the maintenance of synaptic ultrastructure in the adult retina (By similarity). Positively regulates synaptic transmission through synaptic vesicle availability and exocytosis of neurotransmitters at photoreceptor ribbon synapses in the retina (By similarity). 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 (By similarity).[UniProtKB/Swiss-Prot Function]

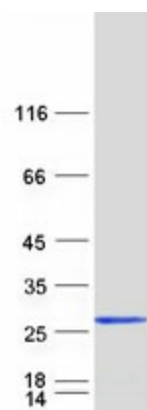
Product images:



Circular map for RC205172



Western blot validation of overexpression lysate (Cat# [LY422285]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205172 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CPLX3 protein (Cat# [TP305172]). The protein was produced from HEK293T cells transfected with CPLX3 cDNA clone (Cat# RC205172) using MegaTran 2.0 (Cat# [TT210002]).