

Product datasheet for **SC115936**

CPLX2 (NM_006650) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPLX2 (NM_006650) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPLX2
Synonyms:	921-L; CPX-2; CPX2; Hfb1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115936 sequence for NM_006650 edited (data generated by NextGen Sequencing) ATGGACTTCGTTCATGAAGCAGGCCCTTGGAGGGGCCACAAAGACATGGGGAAGATGCTG GGGGGAGAGGAGGAGAAGGACCCCGACGCGCAGAAAAGGAGGAGGAGCGCAGGAGGCG CTGCGGCAGCAGGAGGAGGAGCGTAAGGCCAAGCACGCGCGCATGGAGGCGGAGCGGGAG AAGGTCCGGCAGCAGATCCGAGATAAGTATGGGCTGAAGAAGAAGGAGGAGAAGGAAGCA GAGGAGAAAGCAGCCCTGGAGCAGCCCTGCGAGGGGAGCCTGACCCGGCCCAAGAAGGCC ATCCCTGCGGGCTGCGGGGACGAGGAGGAGGAGGAAGAGGAGAGCATCCTGGACACGGTG CTCAAATACCTGCCCGGGCCGCTGCAGGACATGTTCAAGAAGTAA

Clone variation with respect to NM_006650.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006650 unedited
 CCATTCGCCCGCCCGTTGCCGCAATGGGCGGTAGGCGTGTCCGGTGGGAGGTCTATATAAG
 CAGAGTTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCACG
 CGAATCGGCACGAGGACGCGGCGGGGAGCTGGAATAGCAGAAGGAACCACTCGTGGA
 GTCGGGCCGGAGCCCTGCAGTGGCTCAGACGGTTCAGGGACCCAGGTTGTACATCT
 TCCCAAGCCAGGCCAGCCAGGAGCGCTGCATGCAAATTCGCCGTGGGCTAAGGCACGCT
 AACAGAGCCGGCGGCATGGACTTCGTTCATGAAGCAGGCCCTTGGAGGGGCCACAAGGA
 CATGGGGAAGATGCTGGGGGAGAGGAGGAGAAGGACCCGACGCGCAGAAAAAGGAGGA
 GGAGCGGCAGGAGGCGCTGCGGCAGCAGGAGGAGGAGCGTAAGGCCAAGCACGCGCGCAT
 GGAGGCGGAGCGGGAGAAGGTCCGGCAGCAGATCCGAGATAAGTATGGGCTGAAGAAGAA
 GGAGGAGAAGGAAGCAGAGGAGAAAGCAGCCCTGGAGCAGCCCTGCGAGGGGAGCCTGAC
 CTCGCCAAGAAGGCCATCCCTGCGGCCCTGCGGGGACTAGGAGGAGGAGGAAGAGGAGAG
 CATCTGNACACGGTGTCAAATACCTGCCCGGGCCGCTGCAGGACATGTTCCAGAAGTA
 CCAGGCCCTTGCAGCCAGCCTACTTACCTGGTACTACTCTTTTTGGGCCCTTCTTTTC
 TTTTATTAGGTTAAGTCTCACATCTGAGGGGACACCTCAGTTGGCCTCTGCCCTTCTCCC
 TGCCAGGGCTTTTTCCCTAAGGTTTCCTTACCTCTCTTTATCCAGGGATTACTG
 CCCCCATCCAAGAAGCCTAAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006650 unedited
 GACATCTATGTACCTCGCCGCTTCTANGATCGATTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTGTGGACAAGGTCTTTTTCTTTGTTGTCATGGTTGATTTTGTACATTTCAACAT
 TTGCATCATAAAAGGGGGAGCAACAGCCATGGCTTTTGGTCAAGTTCAAGGGGGCTGA
 AGGGGTGCTCCTCCCCTCCCCCAGGCACTGACACATTGAAAGGAAGCAGAGCAACAATG
 ACACAGCACGGATGTGGGAAAAGGGATCCCCACGCGGGCAGGATGGTCCATCTCACCGG
 GGTCTCACAGGACTCCCCGCTCCACCCAGGGCCAGCAGCAGCACCTCCCGTTTTCTCC
 CAGTGCAAAAACGTGGGGTGACAAGAGTGGGACTGGAGCAAGGGACATTTGGTGGGAGGC
 ATGTCCTCAAGCCTGGGAGACCAAGCTGGCCCCAGCCTCCCTGTGCGGTGAGGGGCTGT
 GGAACCTAGAGGATGGAGCAAGTGGACAGCAAGGGTGGGCAACCCTGCCAGCTGGGTAC
 TAAGGCTATTGGGGCTGGAGGGTCCACCCACTGACTCTAGCCACAAAGCTGTGGGGTG
 GCTGCTTTGCCACCAACTGTCCCCTGATAGGGGATCTGGGCTGCAATACTTCTGTATC
 CCTCCTGGTCTCTCTCTCTCCTACACACACCTGGGAATGTGTCTGGACTTCTGATT
 CATCCTGAAGAGTACCCTGCACAGCTTTGCAAGTTAAAGACACCTTCTGGGAACCTTCTGGA
 TTTGNAGGGGAAGACGTCCATGTTTGGAGAATCCTGACTGTCACTGGTCCCAACCCAGG
 GCGATCCACAGCCCCCTTTTTGCTTTTTCTGGCAACTCCTCCAGCATGGGAA

Restriction Sites:

NotI-NotI

ACCN:

NM_006650

Insert Size:

4700 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:	<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:	<u>NM_006650.3, NP_006641.1</u>
RefSeq Size:	4726 bp
RefSeq ORF:	405 bp
Locus ID:	10814
UniProt ID:	<u>Q6PUV4</u>
Cytogenetics:	5q35.2
Protein Families:	Druggable Genome
Gene Summary:	<p>Proteins encoded by the complexin/synaphin gene family are cytosolic proteins that function in synaptic vesicle exocytosis. These proteins bind syntaxin, part of the SNAP receptor. The protein product of this gene binds to the SNAP receptor complex and disrupts it, allowing transmitter release. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.</p>