

Product datasheet for **SC122752**

CPLX1 (NM_006651) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPLX1 (NM_006651) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPLX1
Synonyms:	CPX-I; CPX1; DEE63; EIEE63
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_006651 edited
GTGACGCGCCCTCCTCGCGGTGCCCTTCAGCCGCCCGCCGAGCTACCGGGCGCCACATG
GACCCAGCCGGCCCGAGCGCGCCCGCCGCTGACCGCCCGCGCCCGGGAAGGAAGACA
CTCGCTCCCGGCCATACTTGCGTGTGAGTTCTGACCCCTGGAGGAGCCACTGTGGAAGCA
GAGCAATCGCCATGGAGTTTGTGATGAAGCAGGCTCTAGGAGGGGCCACCAAGGACATGG
GGAAGATGCTGGGGGTGACGAGGAGAAGACCAGACGCCCAAGAAGGAGGAGGAGC
GGCAGGAGGCGCTGCGCCAGGCGAGGAGGAGCGCAAGGCCAAGTACGCCAAGATGGAGG
CGGAGCGCGAGGCGCTGCGCCAGGGCATCCGAGACAAGTACGGCATCAAGAAGAAGGAGG
AGCGCGAGGCCGAGGCCAGGCCCATGGAGGCCAACTCCGAGGGGAGCTTGACGCGGC
CCAAGAAGGCCATCCCGCCGGGCTGCGGGGACGAGGTGGAGGAGGAGGACGAGAGCATCC
TGGACACCGTCATCAAGTACCTGCCCGGGCCGCTGCAAGGACATGCTCAAGAAGTAGCCCC
GCGCGGGACAGCGGCCCGCGGAGCCCCGCCCTCCCCCTACAGATCCTCCGCGGAGGC
CCCTGAGGGACGAGCAGAGCGCAGCCCCACGCCGATATAAGCCATAGCCCCAGGCCCGC
CCTGCCCGCGCCCGCCCTCCCTACCCGGCAAGGGGCGCGCCCCAGGACCCCCC
AGTCCGCCCGTCTCCTGTCGCGGGTGGCTGGAGCCCATCGCCTGGGACGCCCT
TTCTCTTGCTGTTTACCGCCACCCAGCAGCGCCGAGGCCAGGGCCGCCGAAGGGCAGC
CCCGCGACCACCCTGTGCGCGGTTTCGCGCGGTGGGGCCTGTGCGGCCCGCACTCAG
GAGCACAGCCATAGCAGACGGGGGGTGCGGGCGGGGCGAGGGCGGGGGCCTGGGTCC
CCCTCCTGCACCGGACTCCGGGTTTCGGATCGCTCCGCCGTGAGTATTTGCGTCCGCAC
GCGGCCGCTCTCCGCCCGCGCCTGGCCCCCTCGCGCCCTGTCCATCCGTCTCTGTCC
GCGTCTTTCTCTCCTCTCTGGAAGTTTTGCTTCTTACGAACGCCACGGCCGTGTTCA
CTTCTAACTAAAGAAAACAAGCAATAGTTTTGGGGACGCCAGCCCCACCCCGTCC
ACCCCGCTCTTCCCGAGTCTCGCCCCCGCCCGCCTCCTAGCCTCTCCGCCACGCGG
CTGCTGCTTCTCCTGGGGAGGACCCCTGCCCTCGGCCATTGAACACTGCACCCTCCACA
GGAGCCGACAGGCCCGAGGCACCGGACGCTGGAGACCCTGCGCCCTGCCAGCACCTC
CTCCGTGGGACGCTCCTCGGGTGGGGCCTGCGGGTTCCTGCGCGCAGCCGGCGGTGT
GTGGCCTAATCCACCTGGTGGCCCTGCGGGGCGGCATCCGAGCCCTGTTTCTCCTCAT
TCATGTTAATTTGCATCACAATTTGTTGAATCTCAGGTAATGAGGTCTTTGCATTTAA
TGAGTTTTATCTTGACAGGCGCCGCTCGCCCCGGGCCCTTCGTCCACATCAAAAATG
CATCAAGTCTCCACGTGTTTCGGGCCAGGGCGTGGCTTGGCATTGACCTTCATGACCTA
CATAGCTTTAGAGAAGCCATAACGTTAGACTGCAATACTAACGACCGACGCCCTCCGGG
CAGAGACAACCGGCCCTCTGCGCCCCAGCGACGCGGCCCGCGGGGACGTGCTGTCCG
TCTGCTCGCCCTGTGCCCTCTCACTGACTTCTCCCGGTGCGTCTTTAAAAACTCCT
GTTTTACACCTTACAAAGCCAGCTCTGAGCAGACAGGGCGTCTCTCGTAGAACCTGCG
CACCCCGTTCACAGCGCATGGCGCCCCGGGCCGAGCTTAGCTTAGACCGTGGTGTCT
CTGTCCGTCTGTCTGCGCTGCGCCTCCTCCTGCATGTGCGGGCCCTGCGTGTGTTCT
CTCCGGATGGAATCACAGCCAATAAACACCAGTGATTTCAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_006651 unedited GGGCCCCGCGNACATTCGGGCACGAGGGATGACGCGCCCCTCCTCGCGGTGCCCCATCAGC CGCCGCCGCGAGCTCACCGGGCGCCACATGGACCCAGCCGGCCCGAGCGCGCCCGCCGCT GACCGCCCGCGCCCCGGGAAGGAAGAACAACACTCGCTCCCGGCCATACTTGGGTGTGAGTTC TGACCCCTGGAGGAGCCACTGTGGAAGCAGAGCAATCGCCATGGAGTTTGTGATGAAGCA GGCTCTAGGAGGGGCCACCAAGGACATGGGAAGATGCTGGGGGTGACGAGGAGAAGGA CCCAGACGCCCAAGAAGGAGGAGGAGCGGCAGGAGCGCTGCGCCAGGCGGAGGAGGA GCGCAAGGCCAAGTACGCCAAGATGGAGCGGAGCGCGAGGCCGTGCGCCAGGGCATCCG AGACAAGTACGGCATCAAGAAGAAGGAGGAGCGGAGGCCGAGGCCAGGCCCGCCATGGA GGCAACTCCGAGGGGAGCTTGACGCGGCCAAGAAGGCCATCCCGCCGGGCTGCGGGGA CCAGGTGGAGGANGAGGACGAGAGCATCCTGGACACCGTCATCAAGTACCTGCCCGGCC GCTGCANGACATGCTCAAGAAGTAGCCCCGCGCGGGACAGCGGCCCGCGGAGCCCCCGC CCCCTCCCCTACAGATCCTCCCGGAGGCCCTGAGGGACGAGCAGAGCGCAACCCCCA CGCCGATATAGCCATAGCCCCAAGGCCCGCCCTGCCCGGCCCGCCGGCTTCTTAACC GGGAAGGGGGCGCGGCCCCAGGACCCCCAGTTCCGCCCGTGCTTCTTGCCCGC GGTGA
Restriction Sites:	Please inquire
ACCN:	NM_006651
Insert Size:	2209 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:	NM_006651.1 , NP_006642.1
RefSeq Size:	520 bp
RefSeq ORF:	405 bp
Locus ID:	10815
UniProt ID:	O14810
Cytogenetics:	4p16.3
Protein Families:	Druggable Genome

Gene Summary:

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. [provided by RefSeq, Jul 2008]