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Product datasheet for RC200969

CPLX1 (NM_006651) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPLX1 (NM_006651) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CPLX1
Synonyms:	CPX-I; CPX1; DEE63; EIEE63
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC200969 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGTTTGTGATGAAGCAGGCTCTAGGAGGGGCCACCAAGGACATGGGGAAGATGCTGGGGGGTGACG
AGGAGAAGGACCCAGACGCCGCCAAGAAGGAGGAGGAGCGGCAGGAGGCGCTGCGCCAGGCGGAGGAGGA
GCGCAAGGCCAAGTACGCCAAGATGGAGGCGGAGCGCGAGGCCGTGCGCCAGGGCATCCGAGACAAGTAC
GGCATCAAGAAGAAGGAGGAGCGCGAGGCCGAGGCCCAGGCCGCCATGGAGGCCAACTCCGAGGGGAGCT
TGACGCGGCCCAAGAAGGCCATCCCGCCGGGCTGCGGGGACGAGGTGGAGGAGGAGGACGAGAGCATCCT
GGACACCGTCATCAAGTACCTGCCCGGGCCGCTGCAGGACATGCTCAAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC200969 protein sequence
Red=Cloning site Green=Tags(s)

MEFVMKQALGGATKDMGKMLGGDEEKDPDAAKKEEERQEALRQAEEERKAKYAKMEAEREAVRQGIRDKY
GIKKKEEREAEAQAAMEANSEGSLTRPKKAIPPGCGDEVEEEDESILDTVIKYLPGPLQDMLKK

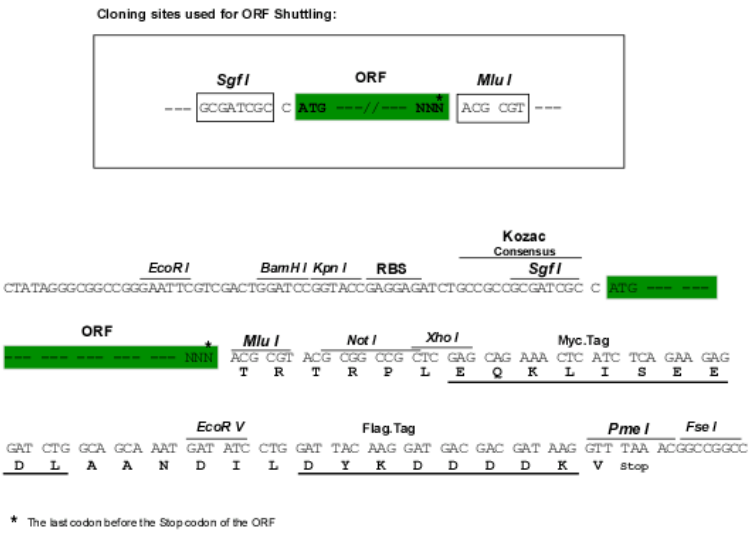
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6387_c06.zip

Restriction Sites: SgfI-MluI

View online »

Cloning Scheme:



ACCN: NM_006651

ORF Size: 402 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

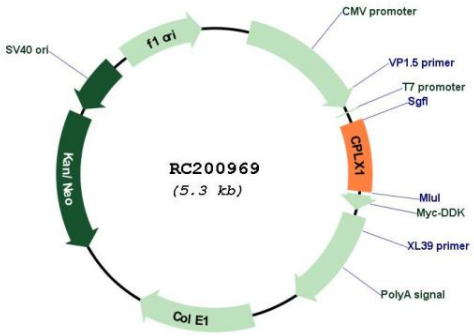
RefSeq: NM_006651.4

RefSeq Size: 2200 bp

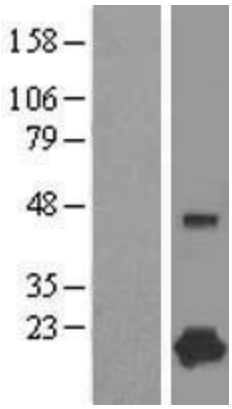
RefSeq ORF: 405 bp

Locus ID:	10815
UniProt ID:	O14810
Cytogenetics:	4p16.3
Protein Families:	Druggable Genome
MW:	15 kDa
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]

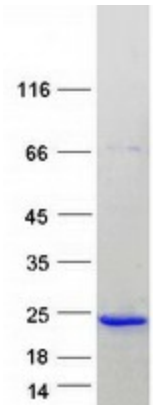
Product images:



Circular map for RC200969



Western blot validation of overexpression lysate (Cat# [LY416506]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200969 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CPLX1 protein (Cat# [TP300969]). The protein was produced from HEK293T cells transfected with CPLX1 cDNA clone (Cat# RC200969) using MegaTran 2.0 (Cat# [TT210002]).