

Product datasheet for **SC302487**

CPLX3 (NM_001030005) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPLX3 (NM_001030005) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPLX3
Synonyms:	CPX-III; CPXIII; Nbla11589
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302487 representing NM_001030005. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGGCGTTCATGGTGAAGACCATGGTGGCGGCCAGCTGAAGAACCTCACTGGGAGCCTGGGAGGCGGC
GAGGATAAGGGAGATGGGACAAGTCGGCAGCCGAAGCTCAGGGCATGAGCCGGGAGGAGTACGAGGAG
TATCAGAAGCAACTCGTGAAGAGAAGATGGAGCGGGATGCACAGTTCACACAGAGGAAGGCAGAGCGG
GCCCACTGCGGAGCCACTTCCGAGACAAATACCGGCTACCCAAGAACGAGACAGATGAGAGCCAGATC
CAGATGGCAGGTGGAGACGTGGAGCTGCCCGGGAGCTGGCCAAGATGATCGAGGAGGACACAGAGGAG
GAGGAGGAGAAGGCCTCAGTCCTTGGGAGCTGGCCAGCCTTCTGGCTTGAACCTGGGCTCACTCAAG
GACAAGGCCAGGCCCACTGGGGATCTCAAGCAATCAGCTGAGAAGTGTACGTCATGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001030005
Insert Size:	477 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).



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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001030005.2
RefSeq Size:	2012 bp
RefSeq ORF:	477 bp
Locus ID:	594855
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]