

Product datasheet for **RG205581**

CPXCRI (NM_033048) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CPXCRI
Synonyms:	CT77
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG205581 representing NM_033048
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTTCTCCTACTAAGAAGGAAGTGATACAGCTGGAAATGCTCACAAAATTCTGAAAATGAGCCTC
CTAATGACTGTAGTACAGACATAGAGTCTCCATCTGCTGATCCCAATATGATCTATCAGGTAGAAACCAA
CCCAATAAACAGGGAGCCAGGCACAGCAACCTCCAGGAAGATGTTGTTCTCAAGCAGCAGAAAACAGC
GAGCTCGAAACAGAGATCCAAAAGATCAACGAGAAGAAGATCTAAAAGAAGAGCTTCTTCTACTTCAGA
CCCCATTCCCAGAAAATTGGTCTCTCACAGCCCTTAAATGATAGATCAAGATCCCACTCAGGGAAGT
TGAGATGAAAGCAAACAATTTCCCATAAATCACAAAACCTCGTTTTCGACTTTCAACTTCATGGAGAGTC
CCATTTATTAACAGTCATGAGATAAGAAGTATGATTCTCCATCTGCTATGTGATAGATTTTCTCTCAGG
CTGCAGGGTGTGAGAATACCATGTGGGTAAAGCGAAAATATATAGCATGTCTTTACCATCCAATAGTTT
CACCCATCACGAGAGAGCCATAACATTTAGAAGGCCTTCGAGGGTGCCTACTACCGTCCCCTCACTGAG
AGAATGACATCAGGAAAATTTGCAAACTCACTGACACTAAAGGGAATGTAGATTCGGTGTATTGTGA
GGTCTGTGCTCTTTGTGTACAGATACAAATTGAAAGTATTTTAAATAAAAAGGTTTTGTGGATATATT
GACATATATCCATACCATGAATGTTATGATCACAAACCAATAATGGTTGGAATACTTTTGTCCCATC
TGTGGAAGGCTTTTAACTTACTCTGAATTAAGACAACATTCATGCAGCTCTTCTGGGAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



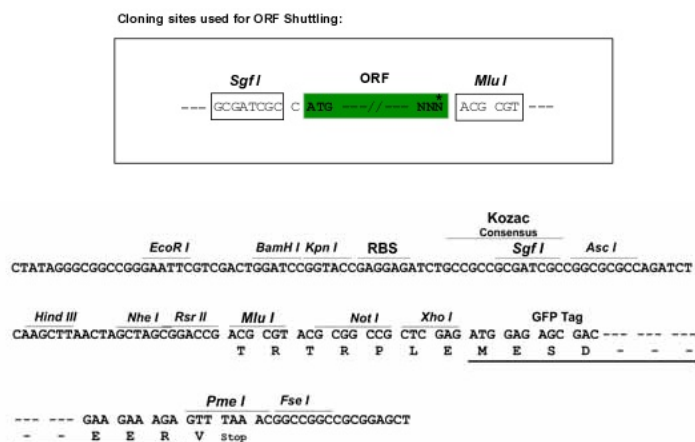
Protein Sequence: >RG205581 representing NM_033048
Red=Cloning site Green=Tags(s)

MSSPTKEGSDTAGNAHKSENEPPND CSDT DIESPADPNMIYQVETNPINREP GTAT SQEDVVPQAAENS
 ELETEIQKDQREEDLKEELLLLQTPIPRKL VSHKPLNDRSRHSGKVKEMANNFPINHKTFR LSTSWRV
 PFINSHERSMTHLLCDRYFSQAAGCQNTMWVKRYIACL YHPNSFTHHERAITFRRPSRVHYRYPLTE
 RMTSGKFCKSLDHTGKCRFAIVRSVLFV SQIQIESIFNIKGFVDILTYIHTMNMVMTNTNNGWKYFCPI
 CGLFNFKYSESTOHSKSSN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_033048

ORF Size: 903 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_033048.5](#)

RefSeq Size: 1609 bp

RefSeq ORF: 906 bp

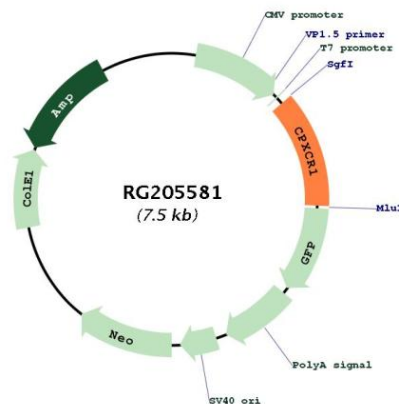
Locus ID: 53336

UniProt ID: [Q8NI23](#)

Cytogenetics: Xq21.31

Gene Summary: This gene is one of several genes identified in a region of the X chromosome associated with an X-linked cleft palate (CPX) disorder. The encoded protein contains a motif similar to a motif found in zinc-finger proteins. Mutation analysis of this gene has not revealed any mutation which causes the CPX disorder. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Sep 2011]

Product images:



Circular map for RG205581