

Product datasheet for **RG222195**

CCZ1 (NM_015622) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCZ1 (NM_015622) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCZ1
Synonyms:	C7orf28A; CCZ1A; CGI-43; H_DJ1163J12.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG222195 representing NM_015622
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCAGCGGCGGCCGGGGCGGGAGCGGGCCCTGGGCGGCCCAGGAGAAGCAGTTCCTCGCGCGC
 TGCTGAGTTTCTCATCTACAACCCGCGCTTCGGGCCGCGCAAGGACAGGAGGAAAATAAGATTTTATT
 TTATCATCCAATGAGGTAGAAAAGAATGAGAAGATTAGAAATGTCGGATTGTGTGAAGCTATTGTACAG
 TTTACAAGGACATTTAGCCCATCAAAACCTGCAAAATCTTTACATACACAGAAGAACAGACAGTCTTCA
 ATGAACCAGAAGAAAATTTCTGGATGGTCATGTTGTTTCGGAATCCTATAATTGAAAAACAGAGTAAAGA
 TGGAAAACCAAGTATTGAATATCAAGAGGAGGAGTTGTTGGACAAGGTTTATAGCTCGGTGCTGCGGCAG
 TGCTACAGCATGTACAAGCTTTTAAATGGTACATTTCTGAAAGCCATGGAAGACGGAGGCGTCAAGCTTC
 TGAAAGAAAGATTAGAGAAATTTCCATCGGTATTTGCAACGCTACATTTGCAGTCATGTGACCTACT
 TGACATTTTGGTGAATCAGCTTCTTCCGTTGGATAAAATGACTTATTTGAAAATCCAGTCCTTTATT
 AATAGAATGGAGGAAAGCCTGAATATAGTCAAATACACTGCTTTTCTCTATAACGATCAGCTCATCTGGA
 GTGGATTAGAACAAGATGACATGAGAATTTTATACAAATACCTTACCACCTCCCTTTTCCAAGGCACAT
 CGAACCTGAGTTAGCAGGAAGGATTCTCCAATAAGAGCAGAAATGCCAGGAAATCTTCAACACTATGGA
 AGATTTCTTACCGGACCTTGAACCTCAATGATCCAGATGCAAAATGCAGATTCCTCAAAATTTTGTAA
 ATACAGATGACACTTATGAAGAGCTCCATTTAATCGTTTATAAGGCCATGAGTGCGGCTGTGTGCTTTAT
 GATCGACGCTCTGTCCACCAACGTTGGATTTTTCGGAAGACTGGACAGCATCGTTGGGCCAGCTC
 ACAGTGTGGCCTCTGACATCTGTGAACAGTTTAAACATCAACAAGAGGATGTCCGGTCTGAGAAAGAAC
 CCCAGTTTAAAGTTTATCTACTTCAACCACATGAATCTCGCCGAGAAGAGCACAGTTCACATGAGGAAAAC
 GCCAGCGGTGTCGCTCACTTCCGTGCACCGGATTTAATGAAGATTCTCGGTGACATCAACAGTGACTTT
 ACCAGAGTGGATGAAGATGAGGAGATCATTGTGAAGGCCATGAGTGATTACTGGGTTGTTGAAAGAAGT
 CTGATCGGCGGAGCTCTATGTTATTTGAATCAAAAAATGCAACCTGATTGAAGTAAATGAAGAGGT
 CAAGAACTTTGTGCAACGCAGTTCAACAACATCTTCTTCTGGAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG222195 representing NM_015622
 Red=Cloning site Green=Tags(s)

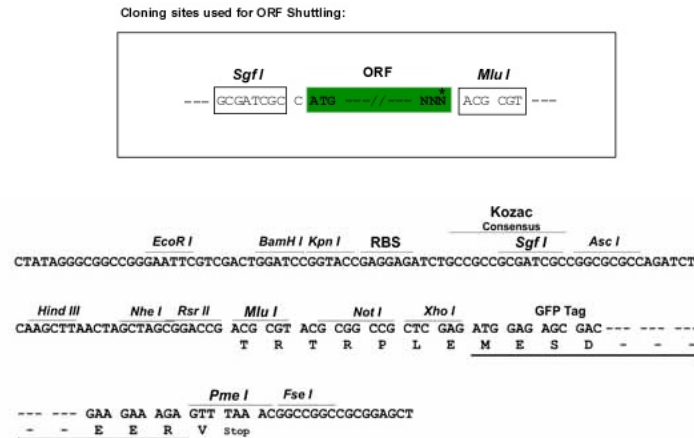
MAAAAAGAGSGPWAAQEKQFPPALLSFFIYNPRFGPREGQEENKILFYHPNEVEKNEKIRNVGLCEAIVQ
 FTRTFSPSKPAKSLHTQKNRQFFNEPEENFWMVMVVRNPIEKQSKDGKPVIEYQEEELLDKVYSSVLRQ
 CYSMYKLFNGTFLKAMEDGGVKLLKERLEKFFHRYLQTLHLQSCDLLDIFGGISFFPLDKMTYLIKISFI
 NRMEESLNIVKYTAFLYNDQLIWSGLEQDDMRILYKYLTTSLFPRHIEPELAGRDSPIRAEMPGNLQHYG
 RFLTGPLNLNDPAKCRFPKIFVNTDDTYEELHLIVYKAMSAAVCFMIDASVHPTLDFCRRLDSIVGPQL
 TVLASDICEQFNINKRMSGSEKEPQFKFIYFNHMLAEKSTVHMRKTPSVSLTSVHPDLMKILGDINSDF
 TRVDEDEEIIVKAMSDYVWVGKSDRRELYVILNQKNANLIEVNEEVKKLCATQFNNIFFLD

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_015622

ORF Size: 1446 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

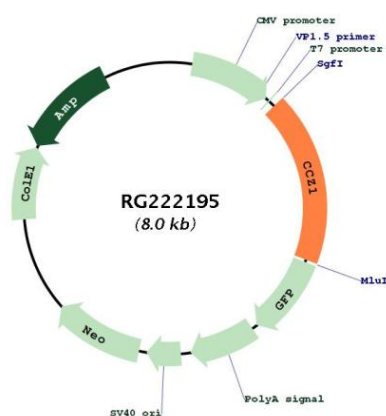
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.

RefSeq:	<u>NM_015622.6</u>
RefSeq Size:	1834 bp
RefSeq ORF:	1449 bp
Locus ID:	51622
UniProt ID:	<u>P86790</u>
Cytogenetics:	7p22.1
Gene Summary:	Acts in concert with MON1A, as a guanine exchange factor (GEF) for RAB7, promotes the exchange of GDP to GTP, converting it from an inactive GDP-bound form into an active GTP-bound form (PubMed:23084991).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG222195