

Product datasheet for **RG201868**

CGI 62 (ZC2HC1A) (NM_016010) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CGI 62 (ZC2HC1A) (NM_016010) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CGI 62
Synonyms:	C8orf70; CGI-62; FAM164A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201868 representing NM_016010 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGGACTGGAAGAGAATGGAGGTGTTGTCCAAGTTGGAGAATTGTTACCTTGCAAGATTTGTGGAA
GAACATTCTTTCCAGTAGCATTAAAAAATCATGGACCCATTTGCCAGAAGACTGCAACTAAAAACGGAA
GACTTTTGATTCAAGCAGACAGAGAGCTGAAGGAAGTATTTCCAACAGTAAACCGCTCAAACCGAGG
CCAGAACCACAAAGAAACCATCTAATTGGAGAAGGAACATGAAGAATTCATTGCTACCATAAGAGCAG
CTAAAGGCCTTGATCAGGCCCTCAAAGAGGGTGGCAAACTTCCTCCTCCTCCACCTTCTTATGATCC
TGATTATATTCAATGTCCATATTGTGAGGAGATTCAATGAAAATGCAGCTGATAGACATATAAATTTT
TGTAAGAAGACAGGCAGCAGTATTAGTAATAAAGGGAATTTTCTGCAGATACCAAAGGAAAACCAACT
CTCGGACACAGGTGTATAAGCCACCCGCACTTAAAAAGTCAAATTCCTGGAAGTGCATCATCAGGATC
TTCACGATTACCGCAGCCAAGTGGCGCTGGCAAACTGTTGTAGGTGTTCTTCAGGTAAAGTGTCTTCA
AGTAGCAGCTCTTTGGGAAACAACTTCAGACCTTGCTCCTCTCATAAAGGGATAGCAGCCCTCATG
CAGGAGCTAATGTCAAACCCGAAATTCACACCACTAGTTTGGCAAGAAATCCTGCCCCAGGTGTGCT
TACAAACAAAAGAAAAACATATACTGAGAGCTACATAGCCAGGCCAGATGGGACTGTGCATCTTCCCTT
AATGGTGGAAATATTAAGGCATTGAAGGACATTACCTGGAACTTACCAAAATTCGCCATGAGTGTG
GGACTAAATACCCTGTAGAATGGCCAAATTTTGCTGTGAATGTGCATTGCAAGAATGATTCTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201868 representing NM_016010
 Red=Cloning site Green=Tags(s)

MEGLEENGVVQVGELLPCIKICGRTFFPVALKKHGPIQKTATKKRKTDFSSRQRAEGTDIPTVKPLKPR
 PEPPKKPSNWRKHEEF IATIRAAKGLDQALKEGGKLPPPPPSYDPDIQCPYCQRRFNENAADRHINF
 CKEQAARISNKGKFSADTKGKPTSRTQVYKPPALKKSNSPGTASSGSSRLPQPSGAGKTVVGVPSGKVSS
 SSSSLGNKLQTLSPSHKGIAAPHAGANVKPRNSTPPSLARNPAPGVL TNKRKTYTESYIARPDGDCASSL
 NGGNIKIEGHSPGNLPKFCHECGTKYPVEWAKFCCECGIRRMIL

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016010

ORF Size: 975 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.

RefSeq: [NM_016010.1](#), [NP_057094.1](#)

RefSeq Size: 1243 bp

RefSeq ORF: 978 bp

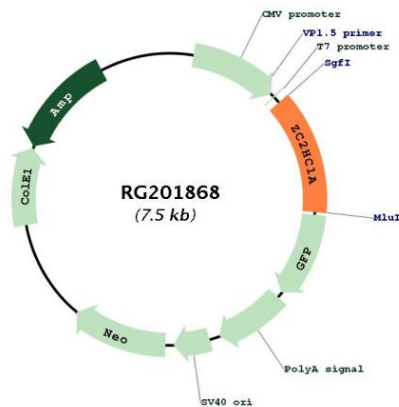
Locus ID: 51101

UniProt ID: [Q96GY0](#)

Cytogenetics: 8q21.13

Domains: zf-C2H2

Product images:



Circular map for RG201868