

Product datasheet for **RG211177**

ZIC1 (NM_003412) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZIC1 (NM_003412) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZIC1
Synonyms:	BAIDCS; CRS6; ZIC; ZNF201
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG211177 representing NM_003412
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGCTCCTGGACGCCGGCCCCAGTACCCAGCGATCGGCGTGACCACCTTTGGCGGTCCCGCCACCACT
 CCGCGGGCGACGTGGCCGAACGAGACGTGGGCCTGGGCATCAACCGTTCCGCCGACGGCATGGGCGCCTT
 CAAGCTCAACCCAGTTTCGCACGAGCTGGCTTCGGCCGGCCAGACGGCCTTCACGTGCGAGGCGCCAGGC
 TACGCGGTGCTGCGGCCCTGGGCCATACCATCACCCGGGCCACGTGGCTCCTATTCCAGCGCAGCCT
 TCAACTCCACGCGGGACTTTCTGTTCCGCAACCGGGTTTGGCGACGCGCGCGGCCAGCCAGCGCACA
 GCACAGCCTCTTTGCTGCATCGGCCGGGGCTTCGGGGGCCACACGGCCACACGGACGCCCGGGGCCAC
 CTCCTCTTCCCGGGCTTCACGAGCAGGCTGCCGGCCACGCGTCGCTAACGTGGTCAACGGGCAGATGA
 GGCTCGGCTTCTCGGGGACATGTACCCGCGACCGGAGCAGTACGGCCAGGTGACCAGCCCGCTTCGGA
 GCACTATGCTGCGCCGACGTGCACGGCTACGGGCCCATGAACGTGAACATGGCCGCGCATCACGGCGCC
 GCGCCTTCTTCCGCTACATGCGCCAACCCATCAAGCAAGAGCTCATCTGCAAGTGGATCGAGCCCGAGC
 AGCTGGCCAACCCAAAAAGTCGTGCAACAAACTTTCAGCACCATGCACGAGCTAGTTACGCACGTCAAC
 CGTGGAGCACGTAGGTGGCCCGGAGCAGAGTAATCACATCTGCTTCTGGGAGGAGTGTCGCGCGAGGGC
 AAGCCCTTCAAAGCCAAATACAACTGGTTAACCACATCCGCGTGACACGGGCGAGAAGCCCTTCCCT
 GCCCTTCCCTGGCTGTGGCAAGGTCTTCGCGCGCTCCGAGAATTTAAAGATCCAAAAAGGACGCACAC
 AGGGGAGAAGCCCTTCAAGTGCGAGTTTGAGGGCTGTGACCGCGCTTCGCTAACAGCAGCGACCGCAAG
 AAGCACATGCACGTGCACAGGCGACAAGCCCTATCTTTGCAAGATGTGCGACAAGTCTACACGCATC
 CCAGTTTCGCTGCGCAACACATGAAGTCCACGAATCCTCCTCGCAGGGCTCGCAGCCTTCGCCGGCCGC
 CAGCTCTGGCTACGAATCCTCCACGCTCCACCATCGTGTCTCCCTCCACAGACAACCCGACCACAAGC
 TCCTTATCGCCCTCCTCCTCCGAGTCCACCACACAGCCGGCCACAGTGCCTCTCTTCAATTTTAACG
 AATGGTACGTT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

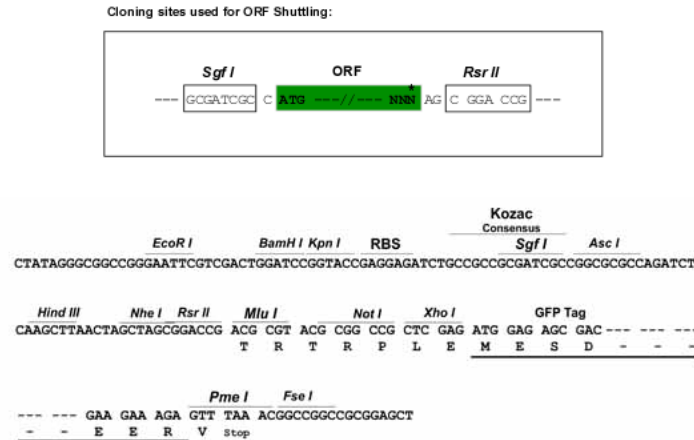
>RG211177 representing NM_003412
 Red=Cloning site Green=Tags(s)

MLLDAGPQYPAIGVTTFGASRHHSAGDVAERDVLGINPFADGMGAFKLNPSSELASAGQTAFTSQAPG
 YAAAAALGHHHPGHVGSYSSAAFNSTRDFLFRNRGFGDAAAAASAQHSLEFAASAGGFGGPHGHTDAAGH
 LLFPGLHEQAAGHASPNNVNGQMRLGFSGDMPRPEQYQVTSRSEHYAAPQLHGYPNMVNMAAHHGA
 GAFFRYMRQPIKQELICKWIEPEQLANPKKSCNKTFTMHVLTHTVEHVGGPEQSNHICFWEECPREG
 KPFKAKYKLVNHIRVHTGEKPFPCFPFGCGKVFARSENKIHKRTHTGEKPFKCEFECDRRFANSSDRK
 KHMHVHTSDKPYLCKMCDKSYTHPSSLRKHMKVHESSSQSQSPSPAASSGYESSPTPTIVSPSTDNPTTS
 SLSPSSSAVHHTAGHSALSSNFNEWYV

SGPTRRRLE - GFP Tag - V

Restriction Sites:

SgfI-RsrII

Cloning Scheme:


ACCN: NM_003412

ORF Size: 1341 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_003412.4](#)

RefSeq Size: 5231 bp

RefSeq ORF: 1344 bp

Locus ID: 7545

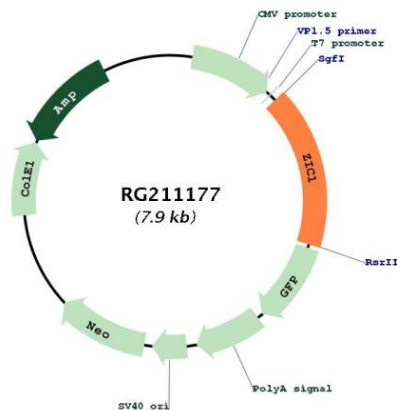
UniProt ID: [Q15915](#)

Cytogenetics: 3q24

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of the ZIC family of C2H2-type zinc finger proteins. Members of this family are important during development. Aberrant expression of this gene is seen in medulloblastoma, a childhood brain tumor. This gene is closely linked to the gene encoding zinc finger protein of the cerebellum 4, a related family member on chromosome 3. This gene encodes a transcription factor that can bind and transactivate the apolipoprotein E gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG211177