

Product datasheet for **RC211177**

ZIC1 (NM_003412) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZIC1 (NM_003412) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZIC1
Synonyms:	BAIDCS; CRS6; ZIC; ZNF201
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211177 representing NM_003412. Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
ATGCTCTGGACGCCGGCCCCAGTACCCAGCGATCGGCGTGACCACTTTGGCGCGTCCCGCCACCAC
TCCGCGGGCGACGTGGCCGAACGAGACGTGGGCTGGGCATCAACCCGTTGCGCGACGGCATGGGCGCC
TTCAAGCTCAACCCAGTTCGCACGAGCTGGCTTCGGCCGGCCAGACGGCCTTCACGTGCGAGGCGCCA
GGCTACGCGGTGCTGCGGCCCTGGGCCATCACCATACCCGGGCCACGTGGCTCCTATTCCAGCGCA
GCCTTCAACTCCACGCGGACTTTCTGTTCCGAACCGGGTTTTGGCGACGCGGCGGCGGCGAGCCAGC
GCACAGCACAGCCTTTTGTGTCATCGGCCGGGGCTTCGGGGGCCACACGGCCACACGGACGCCGCG
GGCCACCTCCTCTTCCCGGGCTTCACGAGCAGGCTGCCGGCCACGCGTCGCCTAACGTGGTCAACGGG
CAGATGAGGCTCGGCTTCTCGGGGACATGTACCCGCGACCGGAGCAGTACGGCCAGGTGACCAGCCCG
CGTTTCGGAGCACTATGCTGCGCCGACGTGCACGGCTACGGGCCCATGAACGTGAACATGGCCGCGCAT
CACGGCGCCGGCGCCTTCTTCCGCTACATGCGCCAACCCATCAAGCAAGAGCTCATCTGCAAGTGGATC
GAGCCCGAGCAGCTGGCCAACCCAAAAAGTCGTGCAACAACTTTAGCACCATGCACGAGCTAGTT
ACGCACGTACCGTGGAGCAGTAGGTGGCCGGAGCAGAGTAATCACATCTGCTTCTGGGAGGAGTGT
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AAGTCTACACGCATCCAGTTCGCTGCGCAAACACATGAAGGTCCACGAATCCTCCTCGCAGGGCTCG
CAGCCTTCGCGGCGCCAGCTCTGGCTACGAATCCTCCACGCTCCACCATCGTGTCTCCCTCCACA
GACAACCCGACCACAAGCTCCTATCGCCCTCCTCCTCCGAGTCCACCACACAGCCGCCACAGTGGC
CTCTCTTCCAATTTAACGAATGGTACGTT
AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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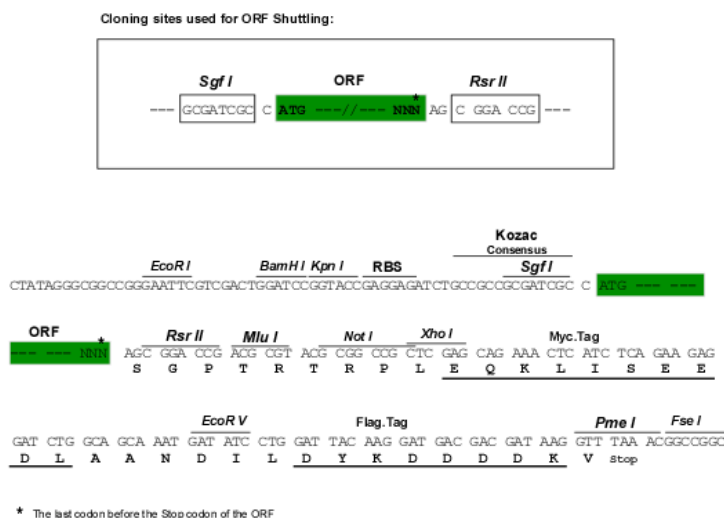
Protein Sequence: >Peptide sequence encoded by RC211177
Blue=ORF Red=Cloning site Green=Tag(s)

MLLDAGPQYPAIGVTTFGASRHSAGDVAERDVGLGINPFDGMAFKLNPSSELASAGQTAFTSQAP
GYAAAAALGHHHPGHVGSYSSAAFNSTRDFLFRNRGFGAAAAASAQHSLEFAASAGGFGPHGHTDAA
GHLLFPGLHEQAAGHASPNNVNGQMRLGFGSDMYPRPEYQGQVTSRSEHYAAPQLHGYGPMNVNMAAH
HGAGAFFRYMRQPIKQELICKWIEPEQLANPKKSCNKTFTMHVELVTHVTVHEVHGPEQSNHICFWEEC
PREGPKFKAKYKLVNHIRVHTGEKPFPCPPGCGKVFARSENLIKHKRTHTEKPFKCEFECDRRFAN
SSDRKKMHMVHTSDKPYLCKMCDKSYTHPSSLRKHMKVHSESSQGSQPSAASSGYESSTPPTIVSPST
DNPTTSSLSPSSSAVHHTAGHSALSSNFNEWYV
SGPTRRPL**EOKLISEEDLAANDILDYKDDDDKV**

Chromatograms: https://cdn.origene.com/chromatograms/mg3179_b05.zip

Restriction Sites: Sgfl-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](#)

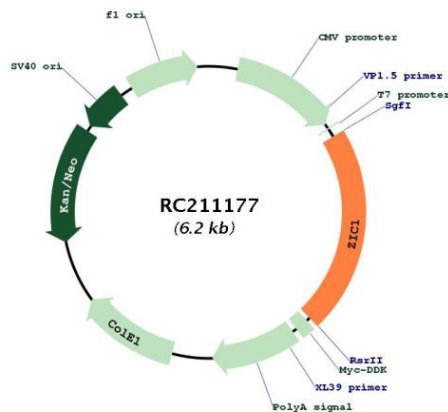
Cytogenetics: 3q24

Protein Families: Druggable Genome

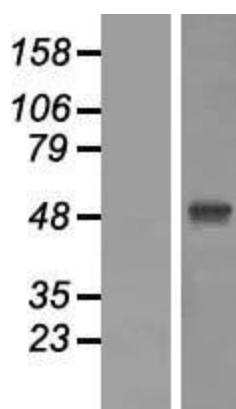
MW: 48.3 kDa

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 RC211177



Western blot validation of overexpression lysate (Cat# [LY418704]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211177 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).