

Product datasheet for RC229971L3

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OriGene Technologies, Inc.

ZIC4 (NM_001168378) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: ZIC4 (NM_001168378) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: ZIC4

Mammalian Cell Puromycin

Selection:

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Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide

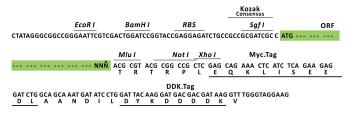
The ORF insert of this clone is exactly the same as(RC229971).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001168378

ORF Size: 1152 bp



ZIC4 (NM_001168378) Human Tagged Lenti ORF Clone - RC229971L3

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: <u>NM 001168378.1</u>, <u>NP 001161850.1</u>

RefSeq ORF: 1155 bp
Locus ID: 84107
UniProt ID: Q8N9L1

Cytogenetics: 3q24

MW: 42.7 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, and have been associated with X-linked visceral heterotaxy and holoprosencephaly type 5. This gene is closely linked to the gene encoding zinc finger protein of the cerebellum 1, a related family member on chromosome 3. Heterozygous deletion of these linked genes is involved in Dandy-Walker malformation,

which is a congenital cerebellar malformation. Multiple transcript variants have been

identified for this gene. [provided by RefSeq, Dec 2009]