

## Product datasheet for MR211330L3

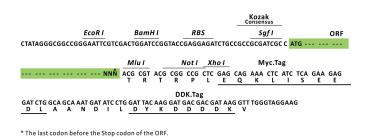
## Ankle2 (NM\_027922) Mouse Tagged Lenti ORF Clone

## **Product data:**

## OriGene Technologies, Inc.

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| Product Type:                | Expression Plasmids   |
|------------------------------|---|
| Product Name:                | Ankle2 (NM_027922) Mouse Tagged Lenti ORF Clone   |
| Tag:                         | Myc-DDK   |
| Symbol:                      | Ankle2  |
| Synonyms:                    | 1110001J12Rik; Al661024; D5Ertd585e   |
| Mammalian Cell<br>Selection: | Puromycin   |
| Vector:                      | pLenti-C-Myc-DDK-P2A-Puro (PS100092)  |
| E. coli Selection:           | Chloramphenicol (34 ug/mL)  |
| ORF Nucleotide<br>Sequence:  | The ORF insert of this clone is exactly the same as(MR211330).                              |
| <b>Restriction Sites:</b>    | Sgfl-Mlul   |
| Cloning Scheme:              | Cloning sites used for ORF Shuttling:<br>Sgf I ORF Mlu I<br>GCG ATC GC C ATG // NNN ACG CGT |



ACCN: ORF Size: NM\_027922 2889 bp



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|                       | e2 (NM_027922) Mouse Tagged Lenti ORF Clone – MR211330L3   |
|-----------------------|--|
| 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. <u>More info</u>  |
| 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 | <ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>   |
| RefSeq:               | <u>NM 027922.2, NP 082198.1</u>  |
| RefSeq Size:          | 5256 bp  |
| RefSeq ORF:           | 2892 bp  |
| Locus ID:             | 71782  |
| UniProt ID:           | <u>Q6P1H6</u>  |
| Cytogenetics:         | 5 53.4 cM  |
| Gene Summary:         | Involved in mitotic nuclear envelope reassembly by promoting dephosphorylation of<br>BAF/BANF1 during mitotic exit. Coordinates the control of BAF/BANF1 dephosphorylation by<br>inhibiting VRK1 kinase and promoting dephosphorylation of BAF/BANF1 by protein<br>phosphatase 2A (PP2A), thereby facilitating nuclear envelope assembly. It is unclear whether<br>it acts as a real PP2A regulatory subunit or whether it is involved in recruitment of the PP2A<br>complex (By similarity).[UniProtKB/Swiss-Prot Function] |

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