

Product datasheet for MR201833L4

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OriGene Technologies, Inc.

Nkiras2 (NM_028024) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Nkiras2 (NM_028024) Mouse Tagged Lenti ORF Clone

Tag: mGFP Symbol: Nkiras2

Synonyms: 2410003M04Rik; 4930527H08Rik; D630018G21Rik; KBRAS2

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(MR201833).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_028024

ORF Size: 576 bp



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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 028024.2</u>, <u>NP 082300.1</u>

RefSeq Size: 2013 bp
RefSeq ORF: 576 bp
Locus ID: 71966
UniProt ID: Q9CR56
Cytogenetics: 11 D

Gene Summary: Atypical Ras-like protein that acts as a potent regulator of NF-kappa-B activity by preventing

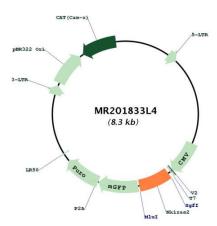
the degradation of NF-kappa-B inhibitor beta (NFKBIB) by most signals, explaining why NFKBIB is more resistant to degradation. May act by blocking phosphorylation of NFKBIB and nuclear localization of p65/RELA NF-kappa-B subunit. It is unclear whether it acts as a GTPase.

Both GTP- and GDP-bound forms block phosphorylation of NFKBIB (By similarity).

[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for MR201833L4