

Product datasheet for MR209194L3

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Rangap1 (NM_011241) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Rangap1 (NM_011241) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Rangap1

Synonyms: C79654; Fug1; mKIAA1835

Mammalian Cell Puromycin

Selection:

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(MR209194).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_011241

ORF Size: 1770 bp





Rangap1 (NM_011241) Mouse Tagged Lenti ORF Clone - MR209194L3

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 011241.3</u>

 RefSeq Size:
 3002 bp

 RefSeq ORF:
 1770 bp

 Locus ID:
 19387

 UniProt ID:
 P46061

Cytogenetics: 15 38.21 cM

GENETY SET UP: GTPase activator for RAN. Converts cytoplasmic GTP-bound RAN to GDP-bound RAN, which is

essential for RAN-mediated nuclear import and export (PubMed:18305100). Mediates

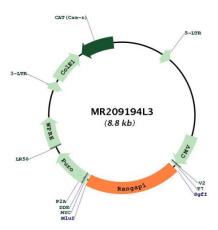
dissociation of cargo from nuclear export complexes containing XPO1, RAN and RANBP2 after

nuclear export (By similarity). Required for postimplantation embryonic development

(PubMed:8314081).[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for MR209194L3