

Product datasheet for MR211419L3

Rab3gap2 (BC057872) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Rab3gap2 (BC057872) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Rab3gap2

Synonyms: 5830469C09, 2010002H18Rik, mKIAA0839

Mammalian Cell Puromycin

Selection:

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

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

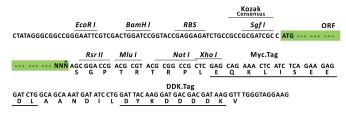
ORF Nucleotide The ORF insert of this clone is exactly the same as(MR211419).

Sequence:

Restriction Sites: Sgfl-Rsrll

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: BC057872 **ORF Size:** 3003 bp



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Rab3gap2 (BC057872) Mouse Tagged Lenti ORF Clone - MR211419L3

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.

1 H5

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>BC057872.1</u>

 RefSeq Size:
 3390 bp

 RefSeq ORF:
 3005 bp

 Locus ID:
 98732

Cytogenetics:

Gene Summary: Regulatory subunit of a GTPase activating protein that has specificity for Rab3 subfamily

(RAB3A, RAB3B, RAB3C and RAB3D). Rab3 proteins are involved in regulated exocytosis of neurotransmitters and hormones. Rab3 GTPase-activating complex specifically converts active Rab3-GTP to the inactive form Rab3-GDP. Required for normal eye and brain development. May participate in neurodevelopmental processes such as proliferation,

migration and differentiation before synapse formation, and non-synaptic vesicular release of

neurotransmitters (By similarity).[UniProtKB/Swiss-Prot Function]