

## Product datasheet for RR210174L4

## Tab2 (NM\_001012062) Rat Tagged Lenti ORF Clone

## **Product data:**

**Product Type:** Expression Plasmids

Product Name: Tab2 (NM\_001012062) Rat Tagged Lenti ORF Clone

Tag: mGFP Symbol: Tab2

Synonyms: Map3k7ip2
Mammalian Cell Puromycin

Selection:

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

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

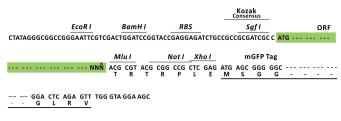
ORF Nucleotide The ORF insert of this clone is exactly the same as(RR210174).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

ACCN: NM\_001012062

ORF Size: 1881 bp



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## Tab2 (NM\_001012062) Rat Tagged Lenti ORF Clone - RR210174L4

**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 001012062.1</u>, <u>NP 001012062.1</u>

 RefSeq Size:
 4617 bp

 RefSeq ORF:
 1884 bp

 Locus ID:
 308267

 UniProt ID:
 Q5U303

 Cytogenetics:
 1p13

**Gene Summary:** Adapter linking MAP3K7/TAK1 and TRAF6. Promotes MAP3K7 activation in the IL1 signaling

pathway. The binding of 'Lys-63'-linked polyubiquitin chains to TAB2 promotes

autophosphorylation of MAP3K7 at 'Thr-187'. Regulates the IL1-mediated translocation of NCOR1 out of the nucleus (By similarity). Involved in heart development (By similarity).

[UniProtKB/Swiss-Prot Function]