

Product datasheet for MR210093L3

BC002230 (BC025577) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: BC002230 (BC025577) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: BC002230

Synonyms: 6720454P05Rik

Mammalian Cell Puromycin

Selection:

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

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

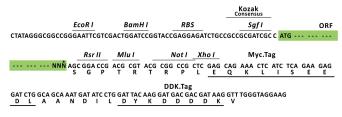
ORF Nucleotide The ORF insert of this clone is exactly the same as(MR210093).

Sgfl-RsrII

Sequence:

Restriction Sites: Cloning Scheme:





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

ACCN: BC025577 **ORF Size:** 2085 bp



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BC002230 (BC025577) Mouse Tagged Lenti ORF Clone - MR210093L3

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>BC025577.1</u>

RefSeq Size: 2358 bp RefSeq ORF: 2087 bp

Locus ID: 217827

Cytogenetics: 12 E

Gene Summary: Protein of the nuclear speckles that regulates RNA degradation and export from the nucleus

through its interaction with MTREX an essential factor directing various RNAs to exosomal degradation. Changes the conformation of MTREX, precluding its association with the nuclear

exosome and interaction with proteins required for its function in RNA exosomal

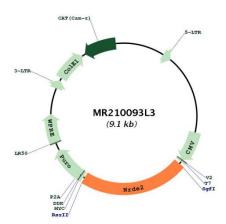
degradation. Negatively regulates, for instance, the degradation of mRNAs and lncRNAs by

inhibiting their MTREX-mediated recruitment to nuclear exosome. By preventing the degradation of RNAs in the nucleus, it promotes their export to the cytoplasm.

[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for MR210093L3