

Product datasheet for MR208453L4

Cat (NM_009804) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Cat (NM_009804) Mouse Tagged Lenti ORF Clone

Tag: mGFP Symbol: Cat

Synonyms: 2210418N07; Cas-1; Cas1; Cs-1

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(MR208453).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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



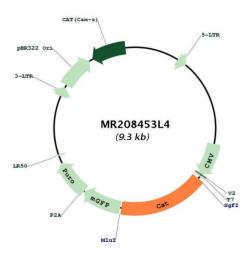
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Plasmid Map:



ACCN: NM_009804

ORF Size: 1584 bp

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 009804.1, NP 033934.1</u>

RefSeq Size: 2551 bp RefSeq ORF: 1584 bp



Cat (NM_009804) Mouse Tagged Lenti ORF Clone - MR208453L4

 Locus ID:
 12359

 UniProt ID:
 P24270

 Cytogenetics:
 2 54.43 cM

Gene Summary: Occurs in almost all aerobically respiring organisms and serves to protect cells from the toxic

effects of hydrogen peroxide. Promotes growth of cells.[UniProtKB/Swiss-Prot Function]