

## **Product datasheet for RC217658L3**

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OriGene Technologies, Inc.

## SYT10 (NM\_198992) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** SYT10 (NM\_198992) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: SYT10

Mammalian Cell Puromycin

Selection:

Vector:

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

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

ORF Nucleotide

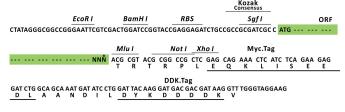
The ORF insert of this clone is exactly the same as(RC217658).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_198992 **ORF Size:** 1569 bp





## SYT10 (NM\_198992) Human Tagged Lenti ORF Clone - RC217658L3

**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.

NM 198992.1 RefSeq:

RefSeq Size: 3286 bp RefSeq ORF: 1572 bp Locus ID: 341359 UniProt ID: Q6XYQ8

12p11.1 **Protein Families:** Secreted Protein, Transmembrane

MW: 59.1 kDa

Cytogenetics:

**Gene Summary:** Ca(2+) sensor specifically required for the Ca(2+)-dependent exocytosis of secretory vesicles

> containing IGF1 in neurons of the olfactory bulb. Exocytosis of IGF1 is required for sensory perception of smell. Not involved in Ca(2+)-dependent synaptic vesicle exocytosis (By similarity). Acts through Ca(2+) and phospholipid binding to the C2 domain: Ca(2+) induces binding of the C2-domains to phospholipid membranes and to assembled SNARE-complexes;

both actions contribute to triggering exocytosis (By similarity).[UniProtKB/Swiss-Prot

Function1