

Product datasheet for RC200389L4

OriGene Technologies, Inc.

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Torsin A (TOR1A) (NM_000113) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Torsin A (TOR1A) (NM_000113) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Torsin A

Synonyms: AMC5; DQ2; DYT1

Mammalian Cell

Selection:

Puromycin

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

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

ORF Nucleotide

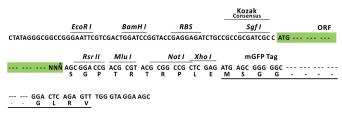
The ORF insert of this clone is exactly the same as(RC200389).

Sequence:

Restriction Sites: Sgfl-Rsrll

Cloning Scheme:



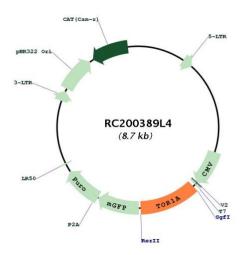


^{*} The last codon before the Stop codon of the ORF.





Plasmid Map:



ACCN: NM_000113

ORF Size: 996 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 000113.2</u>

RefSeq Size: 2117 bp RefSeq ORF: 999 bp



Torsin A (TOR1A) (NM_000113) Human Tagged Lenti ORF Clone - RC200389L4

 Locus ID:
 1861

 UniProt ID:
 014656

 Cytogenetics:
 9q34.11

Protein Families: Druggable Genome, Protease

MW: 37.8 kDa

Gene Summary: The protein encoded by this gene is a member of the AAA family of adenosine

triphosphatases (ATPases), is related to the Clp protease/heat shock family and is expressed prominently in the substantia nigra pars compacta. Mutations in this gene result in the autosomal dominant disorder, torsion dystonia 1. [provided by RefSeq, Jul 2008]