

Product datasheet for RC219891L4

OriGene Technologies, Inc.

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ADAMTS14 (NM_139155) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: ADAMTS14 (NM_139155) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: ADAMTS14

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(RC219891).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





ACCN: NM_139155

ORF Size: 3678 bp





ADAMTS14 (NM_139155) Human Tagged Lenti ORF Clone - RC219891L4

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 139155.1</u>, <u>NP 631894.2</u>

10q22.1

 RefSeq Size:
 3730 bp

 RefSeq ORF:
 3681 bp

 Locus ID:
 140766

 UniProt ID:
 Q8WXS8

Protein Families: Druggable Genome

MW: 131.9 kDa

Cytogenetics:

Gene Summary: This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with

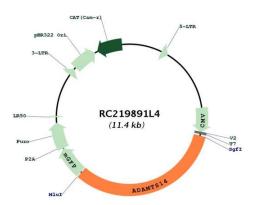
thrombospondin motif) protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The encoded preproprotein is proteolytically processed to generate the mature enzyme. This enzyme cleaves amino-terminal propeptides from type I procollagen, a necessary step in the

formation of collagen fibers. Mutations in this gene may be associated with osteoarthritis in

human patients. [provided by RefSeq, May 2016]



Product images:



Circular map for RC219891L4