

Product datasheet for RC204683L3

OriGene Technologies, Inc.

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Fibulin 5 (FBLN5) (NM_006329) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Fibulin 5 (FBLN5) (NM_006329) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Fibulin 5

Synonyms: ADCL2; ARCL1A; ARMD3; DANCE; EVEC; FIBL-5; HNARMD; UP50

Mammalian Cell Puromycin

Selection:

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

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

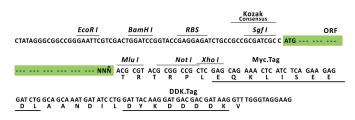
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC204683).

Sgfl-Mlul

Sequence:

Restriction Sites: Cloning Scheme:





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

ACCN: NM_006329

ORF Size: 1344 bp



Fibulin 5 (FBLN5) (NM_006329) Human Tagged Lenti ORF Clone - RC204683L3

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 006329.2</u>, <u>NP 006320.2</u>

RefSeq Size: 2637 bp
RefSeq ORF: 1347 bp
Locus ID: 10516
UniProt ID: Q9UBX5
Cytogenetics: 14q32.12

Domains: EGF_CA, EGF, EGF

50.2 kDa

Protein Families: Secreted Protein

MW:

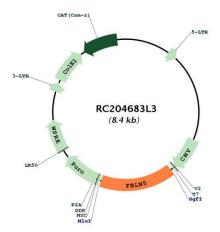
Gene Summary: The protein encoded by this gene is a secreted, extracellular matrix protein containing an

Arg-Gly-Asp (RGD) motif and calcium-binding EGF-like domains. It promotes adhesion of endothelial cells through interaction of integrins and the RGD motif. It is prominently expressed in developing arteries but less so in adult vessels. However, its expression is reinduced in balloon-injured vessels and atherosclerotic lesions, notably in intimal vascular smooth muscle cells and endothelial cells. Therefore, the protein encoded by this gene may play a role in vascular development and remodeling. Defects in this gene are a cause of autosomal dominant cutis laxa, autosomal recessive cutis laxa type I (CL type I), and age-

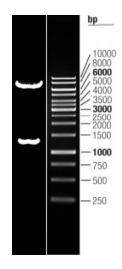
related macular degeneration type 3 (ARMD3). [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC204683L3



Double digestion of RC204683L3 using Sgfl and Mlul $\,$