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Product datasheet for SC108400

Anillin (ANLN) (NM_018685) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anillin (ANLN) (NM_018685) Human Untagged Clone
Tag:	Tag Free
Symbol:	Anillin
Synonyms:	FSGS8; scra; Scraps
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC108400 sequence for NM_018685 edited (data generated by NextGen Sequencing)

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ATGGATCCGTTTACGGAGAAACTGCTGGAGCGAACCCGTGCCAGGCGAGAGAATCTTCAG
AGAAAAATGGCTGAGAGGCCCACAGCAGCTCCAAGGTCTATGACTCATGCTAAGCGAGCT
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Clone variation with respect to NM_018685.2
554 g=>a

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018685 unedited
GGTTCAAATTTGTATACGACTCATATAGGCGGCCGCGCAATTCGCACGAGGCTCGTAGTC
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018685 unedited
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ATAATTCTAGGAAAGAGGGTTATATAAATTGCACACCCTTAGGTTTCCTCTTCCTTGGAG
GCGAACCGAAGTTTCCCAAAAAAACCGTTACGGGG

Restriction Sites: NotI-NotI

ACCN: NM_018685

Insert Size: 5170 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	NM_018685.2, NP_061155.2
RefSeq Size:	4786 bp
RefSeq ORF:	3375 bp
Locus ID:	54443
UniProt ID:	Q9NQW6
Cytogenetics:	7p14.2
Domains:	PH
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes an actin-binding protein that plays a role in cell growth and migration, and in cytokinesis. The encoded protein is thought to regulate actin cytoskeletal dynamics in podocytes, components of the glomerulus. Mutations in this gene are associated with focal segmental glomerulosclerosis 8. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2014] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.