

Product datasheet for **SC337850**

Anillin (ANLN) (NM_001284301) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anillin (ANLN) (NM_001284301) Human Untagged Clone
Tag:	Tag Free
Symbol:	Anillin
Synonyms:	FSGS8; scra; Scraps
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001284301, the custom clone sequence may differ by one or more nucleotides

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ATGGATCCGTTTACGGAGAACTGCTGGAGCGAACCCGTGCCAGGCGAGAGAATCTTCAGAGAAAAATGG
CTGAGAGGCCACAGCAGCTCCAAGGTCTATGACTCATGCTAAGCGAGCTAGACAGCCACTTTCAGAAGC
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AAGAGAAGATGACCGAGAGACTCTGTGAGCCAATGCAGGGACACACTCTGTGTTACCAAGAAGTGGCTG
TCTGCAGATACTAAAGAAGAGCGGGATCTCTGGATGCAAAAACCTCAATCAAGTCTTGTGTGATATTCGCC
TCTGGCAACCTGATGCTTGCTACAAACCTATTGGAAAGCCTAA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001284301

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_001284301.2](#), [NP_001271230.1](#)

RefSeq Size: 4693 bp

RefSeq ORF: 3264 bp

Locus ID: 54443

UniProt ID: [Q9NQW6](#)

Cytogenetics: 7p14.2

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 (2) lacks an in-frame exon compared to variant 1. The encoded isoform (2) is shorter than 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.