

Product datasheet for **RG239954**

Anillin (ANLN) (NM_001284302) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anillin (ANLN) (NM_001284302) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Anillin
Synonyms:	FSGS8; scra; Scraps
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG239954 representing NM_001284302. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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GCAAGTAACCAGCAGCCCTCTCTGGTGGTGAAGAGAAATCTTGTACAAAACCATCGCCATCAAAAAA
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GCAAAATCTTGTCTCCAAGTCTGTCTCCTCAGGTGCAGCCACAAGCAGCAGATACCATCAGTGAT
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AAAGTGATACGTGAAATTGAGATGAGTGTGGATGATGATGATATCAATAGTTCGAAAAGTAATTAATGAC
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 CCTATTGGAAAGCCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC

Protein Sequence:

>Peptide sequence encoded by RG239954
 Blue=ORF Red=Cloning site Green=Tag(s)

MDPFTEKLLERTRARRENLRQKMAERPTAAPRSMTHAKRARQPLSEASNQQPLSGGEEKSCTKPSPSKK
 RCDNTEVEVSNLENKQPVESTSAKSCSPSPVSPQVQQAADTISDSVAVPASLLGMRRGLNSRLEATA
 ASSVKTRMQKLAEQRRRWDNDMDTDIPESLFSMPSEEKAASPPRPLLSNASATPVGRRGRLANLAA
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 SQCRDTLCVTKNWL SADTKEERDLWMQKLNQVLVDIRLWQPDACYKPIGKP

TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
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 SVIFTDKIIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites:

Sgfl-MluI

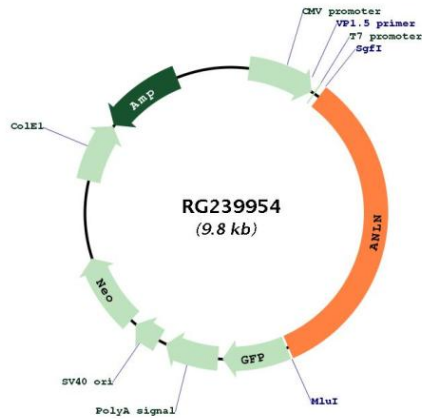
Cloning Scheme:


ACCN:	NM_001284302
ORF Size:	3258 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).
RefSeq:	NM_001284302.3
RefSeq Size:	4690 bp
RefSeq ORF:	3261 bp
Locus ID:	54443
UniProt ID:	Q9NQW6
Cytogenetics:	7p14.2
Protein Families:	Druggable Genome
MW:	120.3 kDa

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]

Product images:



Circular map for RG239954