

## Product datasheet for MR211659

### AnIn (NM\_028390) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AnIn (NM_028390) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AnIn
Synonyms:	1110037A17Rik; 2900037I21Rik; C78101; Scraps
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211659 representing NM_028390 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACCCGTTTACCGAGAAGTTGCTAGAACGAACTCGTGCCAGACGAGAGAATCTTCAGAGAAAAATGG  
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CCTGTTCTCCGATGCCTGCACCCGGCAGGCGAAGCCCCAGCACCAGCTGCCATCAGCGAGTCTGTGGC  
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GTTAAAACCTCGAATGCAAAGGCTTGCTGAGCAGCGGCCATTGGGATAGTGATCTCACAGATGATGAT  
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TCCACTCAAGAAACATCAAACCTGTCGAAGCACCCATTGACTTCTGTAACAGATAAGGTGGCTGAAAAT



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GAACCAGCAGTGAAGCTTCTAGCACAGAGCCTGCAGGTTCCACTGAAAGCGAAATGACAAAAGTCCAGCC  
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CCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR211659 representing NM\_028390  
 Red=Cloning site Green=Tags(s)

MDPFTEKLLERTRARENLRQKMAERPTAVARSAPHAKRGREPLSEASNQQQPLPGGEEKSCTKPSPSKK  
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 LSASVSSSVKASSPVTAATF I TENREAQNPELLHKTASPLKTEARKPCEKPTLSQGAQPKEEANREVCLQ  
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 EPAVKLSSTEPAGSTESEMTKSSPLKITL FLEEEKSLKVASDLEVEQNT EAVREVEMSVDDDEDINSSRVI  
 NDIFSDVLEEGELDVEKSQEEMDQVGAENSEEQEDALN ISSM L LAPLAQTVGVVSL ENVISSPPSELRD  
 SNLSAASP KPGKFORTRVPRASADSLGSEDRDLLYSIDAYRSQRFKETERPSIKQVIVRKEDVTSKLG E  
 KKNVFSGQVNIKQKMQLNNDINLQQT V IYQASQALNCCVDEEHGKGSLEEAERLLL IATEKRALLID  
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 P

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9095\\_h09.zip](https://cdn.origene.com/chromatograms/mm9095_h09.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

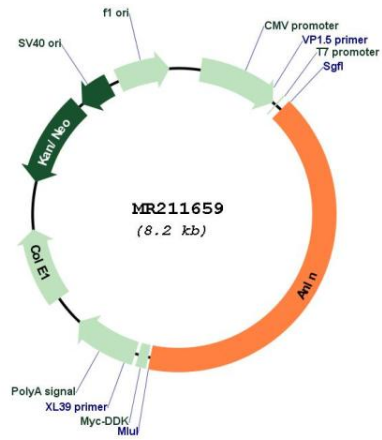


**ACCN:** NM\_028390

**ORF Size:** 3363 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_028390.3</a> , <a href="#">NP_082666.2</a>
<b>RefSeq Size:</b>	5421 bp
<b>RefSeq ORF:</b>	3366 bp
<b>Locus ID:</b>	68743
<b>UniProt ID:</b>	<a href="#">Q8K298</a>
<b>Cytogenetics:</b>	9 A3
<b>MW:</b>	122.8 kDa
<b>Gene Summary:</b>	Required for cytokinesis. Essential for the structural integrity of the cleavage furrow and for completion of cleavage furrow ingression. Plays a role in bleb assembly during metaphase and anaphase of mitosis. May play a significant role in podocyte cell migration. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211659