

Product datasheet for **MG217022**

Rrn3 (NM_001039521) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rrn3 (NM_001039521) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rrn3
Synonyms:	AL023001; E130302O19Rik; R75565; TIF-1A; Tif1a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG217022 representing NM_001039521
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCGGCCCGCTGCTTCACACGCGCTTGTGGGCGATGTGACGGCAGCGGCCTCTGCCACGCTGAGTG
 CGTCGCGGACTGGGCTTTCCGATATGCTCGCGTTAGAGAGCGATTCTTCAATTCTCTCCGAAAAAAC
 TGTTGGTTTGGCGAACTGTGACAGAAGTCTTACTGAAATACAAAAAGGTGAAACAAATGACTTAGAG
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 TATCCGCAGCACCCTGGTGGAGACTCCGTGCAGACCTGCACCAACCCACTGGACACTTTCTCCCTTT
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 CTGAAGAGCTTCAGGAGTTTAAGAAATCTACTAAAAAGGAGGTAGTGGAGGATGAAGATGATGACTTTTT
 GAAAGGCGAGGTGCCCCAGAGTGACACAGTGACTGGCCTTACTCCGAGCTCCTTTGATACCCACTTCCAA
 AGTCCTTCCAGTAGTGTGGGCTCCCTCCTGTGCTGTATATACCAGGCCAGTCTCCACTCCTCACAAGGA
 TCTATGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG217022 representing NM_001039521
Red=Cloning site Green=Tags(s)

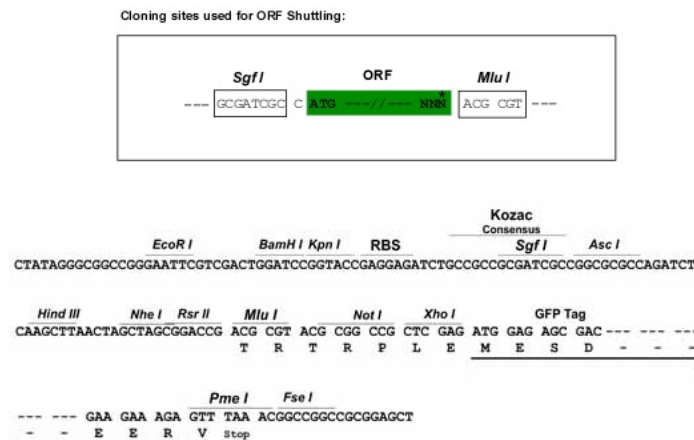
MAAPLLHTRLSGDVTAAASATLSASRTGLSDMLAESDFFNSPPKKT VRFGGTVTEVLLKYKGETNDLE
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KTCLDLLVNWLHMYLTNQDSGTAKFCDVALHGPFSACQAVFYTVVFRHKQLL SGNLKQGLQYLQSLNFE
RIVLSQLNPLKICLPQVNVFFAAITNKYQLVFCYTIMERNRQMLPVIRSTAGGDSVQTCNPLDTFFPF
DPCVLKRSKKFIDPIYQIWEDGSAEELQEFKKSTKKEVVEDEDDFLKGEVPQSDTVTGLTPSSFDTHFQ
SPSSSVGSPVL YIPGQSPLL TRIYD

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001039521

ORF Size: 1968 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).

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001039521.1](#), [NP_001034610.1](#)

RefSeq Size: 3607 bp

RefSeq ORF: 1971 bp

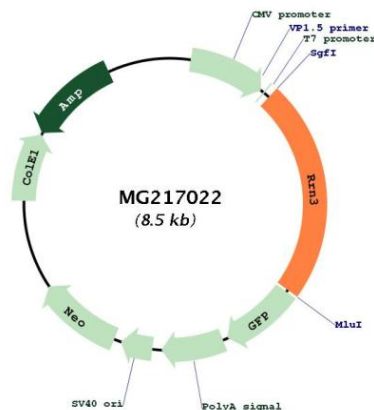
Locus ID: 106298

UniProt ID: [B2RS91](#)

Cytogenetics: 16 A1

Gene Summary: Required for efficient transcription initiation by RNA polymerase I. Required for the formation of the competent preinitiation complex (PIC). Dissociates from pol I as a consequence of transcription. In vitro, cannot activate transcription in a subsequent transcription reaction. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG217022