

Product datasheet for **MG211279**

Xrn2 (NM_011917) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xrn2 (NM_011917) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Xrn2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

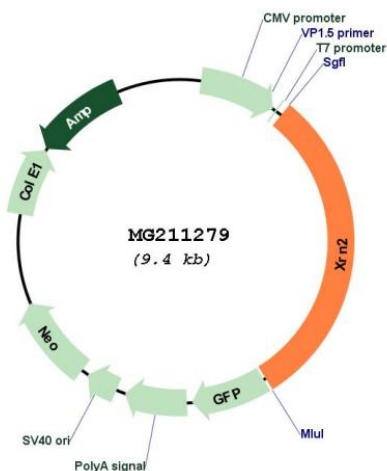
>MG211279 representing NM_011917
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGAGTCCCGCGTTCTTCCGCTGGCTCAGCCGCAAGTACCCGTCCATCATTGTCAACTGCGTGGAGG
 AGAAGCCAAAAGAATGC AACGGTGTAAAGATTCCAGTTGATGCCAGTAAACCTAATCCAAATGATGTGGA
 GTTTGATAATCTGTATTTGGATATGAATGGGATCATCCACCCCTGCACTCATCTGAAGACAAACCAGCA
 CCAAAAAATGAAGATGAAATGATGGTTGCAATTTTGGAGTACATTGACAGACTTTTCAATATTGTAAGAC
 CAAGAAGACTTCTACATGGCAATAGATGGGGTGGCACCACGTGCAAAAATGAATCAGCAGCGTTCAAG
 GAGGTTGAGAGCATCAAAGGAAGGAATGGAAGCAGCAGTTGAGAAGCAGCGAGTCAGAGAGGAAATACTT
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 TTTAGGCCATGTTACACCAAGAGGCTCGGGACGAGTGTATACGAACACTGCACTACCACCTGCCAAT
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 GGCCCAAGATTCCTGGCAGGCCCTCCTCTTTTCCAGCAGCATAGATTTGAGAGAAGTGTGGAGC
 TGAACCTCTACTGCCATGGAACCGGATGATCCAAAACCAAAATGCAGCCTTTCAGCCAAATCAGTACCAG
 ATGCTAGGAGGACCTGGAGGCTATCCACCAGACGTGACGATCACCGAGGAGGAGACAGGGATATCCCA
 GAGAAGGACGGAATACCCTTGGCCACCACCTCGGGAAGATACAGTTGGAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Plasmid Map:



ACCN: NM_011917

ORF Size: 2853 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.

RefSeq: [NM_011917.3](#)

RefSeq Size: 3383 bp

RefSeq ORF: 2856 bp

Locus ID: 24128

UniProt ID: [Q9DBR1](#)

Cytogenetics: 2 G2

Gene Summary:

Possesses 5'→3' exoribonuclease activity. May promote the termination of transcription by RNA polymerase II. During transcription termination, cleavage at the polyadenylation site liberates a 5' fragment which is subsequently processed to form the mature mRNA and a 3' fragment which remains attached to the elongating polymerase. The processive degradation of this 3' fragment by this protein may promote termination of transcription. Binds to RNA polymerase II (RNAP II) transcription termination R-loops formed by G-rich pause sites (By similarity).[UniProtKB/Swiss-Prot Function]