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Product datasheet for MC202557

Xrn2 (NM_011917) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xrn2 (NM_011917) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Xrn2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

Fully Sequenced ORF:

>BC054743 sequence for NM_011917
GCTAGTCTCGTTGGTTACACTCTCCCGCTGGCCCGGCTGCTGTTTCGAGCTGCCCGCTGGTCATGGGAGT
CCCGGCGTTCTTCCGCTGGCTCAGCCGCAAGTACCCGTCCATCATTGTCAACTGCGTGGAGGAGAAGCCA
AAAGAATGCAACGGTGTAAAGATTCCAGTTGATGCCAGTAAACCTAATCCAAATGATGTGGAGTTTGATA
ATCTGTATTTGGATATGAATGGGATCATCCACCCCTGCACTCATCCTGAAGACAAACCAGCACCAAAAAA
TGAAGATGAAATGATGGTTGCAATTTTTGAGTACATTGACAGACTTTTCAATATTGTAAGACCAAGAAGA
CTTCTCTACATGGCAATAGATGGGGTGGCACCACGTGCAAAAATGAATCAGCAGCGTTCAAGGAGGTTCA
GAGCATCAAAGGAAGGAATGGAAGCAGCAGTTGAGAAGCAGCGAGTCAGAGAGGAAATACTTGCAAAAGG
TGGCTTTCTTCCTCCAGAAGAAATAAAAGAAAGATTTGACAGCAACTGTATTACCCCAGGAACTGAGTTC
ATGGACAATCTTGCTAAATGCCTTCGCTATTACATAGCTGATCGTTTAAATAATGACCCTGGGTGGAAAA
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AAGACAAAGAGCCCAGCCTAACCATGACCCAAATACTCATCATTGTTTGTGTGGAGCTGATGCTGATCTA
ATTATGCTTGGTCTTGCTACACATGAACCTAACTTCACCATAATCAGAGAAGAATTCAAACCAAATAAAC
CTAAACCATGTGCTCTTTGTAATCAGTTTGGACACGAGGTCAAGGATTGTGAAGGTTTGCCAAGAGAAAA
GAAGGGAAAGCATGATGAACTTGCAGATAGTCTTCCTTGTGCAGAAGGGGAGTTTATCTTCCTTCGGCTG
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AGAGATTAGGGAAGGTGCAATTGATCGTTTGGTTAACATATACAAAAACGTGGTACACAAAACTGGGGGT
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GAGGATGAAGAGAGATCAACCAGCTTTTACTCCTAGTGGAATATTAACACCTCATGCCTTGGGTTCAAGA
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AGTCCTACGTTGAAGGACTGTGCTGGGTTCTTCGCTATTATTACCAGGGCTGTGCTTCCTGGAAGTGGTA
TTATCCATTCCATTATGCACCATTTGCCTCAGACTTTGAAGGTATTGCAGACATGTCCTCTGAATTTGAA
AAGGGCACAAAACCGTTTAAGCCACTGGAACAACTAATGGGGGTTTTCCCAGCTGCAAGTGGTAACTTTC
TACCTCCAACATGGCGGAAGCTCATGAGTGACCCTGATTCCAGTATAATTGACTTCTATCCTGAAGATTT
TGCTATTGATTTGAATGGGAAGAAATATGCATGGCAAGGTGTTGCTCTATTGCCATTTGTGGATGAGCGA
AGGCTGCGAGCGGCTCTAGAAGAGGTGTACCCAGACCTCACTCCAGAAGAGAACAGGAGAAATAGTCTTG
GAGGTGATGTTTTGTTTGTGGGAAAACTTCATCCACTACGCGACTTCATTTTAGAGCTGTATCAGACGGG
TTCCACAGAGCCAGTTGATGTGCCACCTGAATTGTGTCACGGGATTCAAGGGACGTTTTCTTTGGATGAA
GAAGCCATTCTTCCAGACCAAACAGTATGTTCCCCTGTGCCCATGTTGCGGGACCTGACACAGAACACTG
CAGTCAGTATTAATTTTAAAGATCCACAGTTTGCTGAAGATTATGTTTTTAAAGCTGCAATGCTTCCAGG
AGCAAGAAAGCCAGCAACAGTTCTGAAACCTGGTGACTGGGAAAAATCCAGCAATGGGCGGCAATGGAAA
CCTCAGCTTGGCTTTAACCGGGACCGGCGGCCTGTTCACCTGGACCAGGCAGCCTTTAGAACTTTAGGCC
ATGTTACACCAAGAGGCTCGGGGACGAGTGTTTATACGAACACTGCACTACCACCTGCCAATTACCAGGG
GAACAATTACAGGCCACTGCTGAGAGGTCAAGCTCAGATCCCAAAACTTATGTCAAATATGAGGCCCCAA
GATTCCTGGCGAGGCCCTCCTCCTCTTTTCCAGCAGCATAGATTTGAGAGAAGTGTTGGAGCTGAACCTC
TACTGCCATGGAACCGGATGATCCAAAACCAAAATGCAGCCTTTCAGCCAAATCAGTACCAGATGCTAGG
AGGACCTGGAGGCTATCCACCCAGACGTGACGATCACCGAGGAGGGAGACAGGGATATCCCAGAGAAGGA
CGGAAATACCCTTTGCCACCACCCTCGGGAAGATACAGTTGGAATTAGGCTTTTGTAAAGCTTTCCACAT
TCCTTTTACCAGTCTACATTTTTATGCTATTTGTGGAAAGGTTTCTTTCTCAAGTAGTAGTTTTTAATAA
AACTACAGTACTTTGTGTATTTCTTTTATCTGTGTGTATATTTTTACTGATCTGATCTCACTGTTTCATG
CTGCTTTCCAGAGATGTGTATGGCATAATACAGTGGGTCTGAATTTATTATTGCTTGTAAACACATTTGA
CGAAATTAGGAGTCCTGGGTTTTCATTATGGTTAAAATTCAAAACAGCTCTATGCTGATTTTAATGCACA
TTAATAATTAGGTATGGACATTGAGCTGCACATTCTGCAGACGAGCATATATTGCTCAACATTTCTTTGA
AAACATTTCATTAAAGTACTTGACTTACAGAAATTTGTGGACTTTAGTAAAAAAATAAAAATAAAGCTAA
ACTTTAAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI

ACCN:	NM_011917
Insert Size:	2856 bp
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:	BC054743, AAH54743
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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.