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Product datasheet for MC203279

Aqr (NM_009702) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aqr (NM_009702) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aqr
Synonyms:	AW495846; mKIAA0560
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC042479

CCGGGACTTCTCAGGTTCCGGGAGGAACCGTGGGAGCCCAGCGTGTCTGTGCCGGGCGCTCTGGCACCTC
GGGGCTGGGTCGCCGCCGCTGCTTGAAAGCTTTCGAGAGTCGCCGCTACGAGCCTCTGGTCAGCTTCAGT
GGCGATCGCTGCGATGGCGGCTCCTGCGCAGCCCAAGAAAATCGTGGCCCCCACGGTGTCCCAGATCAAC
GCGGAGTTCGTCACTCAGCTAGCATGTAAATACTGGGCTCCTCATATCAAGAAGAAATCACCGTTTGATA
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CCCGAGTTCGTGCAGATGTCACCATCAATCTGAATGTCAGAGACCACATCAAGGATGAGTGGGAAGGTCT

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TCGAAAGCACGATGTATGCTTTTTAATTACTGTGCGTCCAACAAAACCTTACGGCACTAAGTTTGACAGG
AGGAGACCTTTTATTGAGCAAGTTGGTCTGGTGTACGTCAGAGGCTGTGAAATCCAGGGCATGCTGGATG
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TTCCAACATGGAGCAGTCTCTTTTCACTCGCTTCGTCCGGGTTGGAGTTCCTACTGTGGACCTTGATGCT
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GTCAGACAGAAGACACCTCTGCCCCGTGTGACATTGCTACTGCAGCTGAGCCTGTCTCTGCAGCAGCAGA
AGCTGCCACCCCACAAGATGCAGAGTCTGTCCCCACAGAGACCGAGTAGCCTATCTGCAGCACAGCCTGG
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TAACACCAGCTAATTTCAGTACTTATGGTTTTTAGCTGGTTTCCTTATTTTGTATATTTTTTATTTGTAA
ATATTAAAAATAACTCTAGTTTCATTTGTTCATTCAGAAGAGAAAATAATTTTGATTGCTGAATGTATCT
GAGGTAATCCCTGCATTAAAATCATTTTCTATCAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_009702

Insert Size: 4446 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:	BC042479, AAH42479
RefSeq Size:	4880 bp
RefSeq ORF:	4446 bp
Locus ID:	11834
UniProt ID:	Q8CFQ3
Cytogenetics:	2 57.57 cM
Gene Summary:	Involved in pre-mRNA splicing as component of the spliceosome. Intron-binding spliceosomal protein required to link pre-mRNA splicing and snoRNP (small nucleolar ribonucleoprotein) biogenesis. Plays a key role in position-dependent assembly of intron-encoded box C/D small snoRNP, splicing being required for snoRNP assembly. May act by helping the folding of the snoRNA sequence. Binds to intron of pre-mRNAs in a sequence-independent manner, contacting the region between snoRNA and the branchpoint of introns (40 nucleotides upstream of the branchpoint) during the late stages of splicing. Has ATP-dependent RNA helicase activity and can unwind double-stranded RNA molecules with a 3' overhang (in vitro). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).