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Product datasheet for MC229578

Aqr (NM_001290788) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aqr (NM_001290788) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aqr
Synonyms:	AW495846; mKIAA0560
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229578 representing NM_001290788 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCGGCTCCTGCGCAGCCCAAGAAAATCGTGGCCCCCACGGTGTCCCAGATCAACGCGGAGTTCGTCA CTCAGCTAGCATGTAAATACTGGGCTCCTCATATCAAGAAGAAATCACCGTTTGATATAAAAGTAATTGA AGAAATATATGAAAAAGAGATCGTCAAATCACGGTTTGCCATCAGGAAAATAATGCTGCTGGAATTTAGC CAATACCTTGAAAATTATCTTTGGATGAATTATTCTCCGGAAGTTTCCAGCAAGGCCTATTTAATGTCCA TCTGCTGTATGGTGAATGAGAAGTTCAGAGAAAATGTCCCAGCCTGGGAGACCTTTAAGAAGAAACCAGA CCACTTCCCATTCTTTTTTAAGTGCATCTTGAAAGCGGCCTTAGCTGAGACTGACGGCGAGTTCTCCCTC CACGAGCAGACACTGCTCCTGCTTTTCCTGGATCACTGCTTCAATAGCTTGGAAGTAGACTTGATAAGGA GTCAGGTGCAGCAGCTTATCTCGCTCCCGATGTGGATGGGCTTGCAGCCTGCACGATTGGAATTAGAATT GAAAAAGACACCAAAGCTAAGAAAATTCTGGAACCTGATTAAAAAGAATGATGAAAAGATGGACCCAGAA GCAAGAGAGCAGGCCTACCAAGAAAGAAGGTTTCTCTCCCGGCTCATCCAGAAGTTCATCTCCGTGTTGA AGTCCATCCCGCTTTCTGAGCCTGTCACCATGGACAAGGTTCATTACTGTGAAAGATTCATCGAACTGAT GATTGATCTAGAGGCTCTACTCCCCACGAGGCGCTGGTTTAACACCATCCTGGATGACTCCCACCTTCTG GTTCACTGCTACCTCTCCAGTCTTGTTCACAGAGAAGAGGACGGCCATCTGTTTTCCCAGCTTTTAGACA TGCTGAAGTTCTATACTGGCTTTGAGATTAACGACCAGACTGGAAATGCTCTGACAGAGAACGAGATGAC CACGATTCACTATGACAGAATTACATCTCTGCAGAGGGCTGCCTTCGCACACTTCCCCGAGCTCTATGAC TTTGCCCTCTCCAATGTGGCAGAAGTAGATGCCCGAGATTCCTTGGTCAAGTTTTTTGGGCCTCTCAGTT CAAACACACTCCACCAGGTGGCATCATACCTCTGCCTCTTGCCAACGCTCCCTAAAAATGAAGACACAAC TTTTGATAAAGAGTTTCTTCTAGAATTGCTGGTGTCTCGCCACGAACGCCGCATCTCTCAAATTCAGCAA CTGAATCAGATGCCTTTGTATCCAACTGAGAAAATTATATGGGATGAGAACATCGTCCCTACTGAGTACT ATTCTGGGGAAGGCTGCCTTGCTCTCCCCAAGTTGAATCTGCAGTTTTTGACTCTGCACGACTATCTCCT GAGGAACTTCAATCTCTTCCGCTTAGAGTCAACTTACGAAATTAGACAAGACATCGAGGACAGTGTCAGC AGAATGAAGCCCTGGCAGTCTGAGTATGGTGGCGTAGTGTTCGGTGGTTGGGCACGGATGGCCCAGCCCA

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TTGTGGCTTTCACTGTAGTCGAGGTTGCCAAACCCAACATCGGTGAAAACTGGCCAACCCGAGTTCGTGC
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CTTCGCTCGAGTGTCCCTCTTCCAGAACTGCTTTGAACTGACTCCTGCTTTCAGCCAGCTCACTGCCCGC
CCACTGCATTTGCATATCATTCCAACAGAACCCTTCCCAACCTCCAGAAAGGCTCTTCCTTCTCCGGCAC
TTCTCTTGCCAGAGCTGCAGACACTGGATCATGCTCGGAGTGTGGCTGTTTTCTTCCAGCTGCAGAGTTC
ACTGTTCTGCTCTTTTCACTGGATGAAATGTCCCAGAGATCTAGGAAATTTCAATAAACAGACAGTTTTA
TAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001290788

Insert Size: 4203 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).

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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001290788.1, NP_001277717.1
RefSeq Size:	4414 bp
RefSeq ORF:	4203 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 (2) lacks two 3' exons but contains an alternate 3' terminal exon, and it thus differs in its 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (b) has a distinct C-terminus and is shorter than isoform a.

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