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Product datasheet for MC219912

Acin1 (NM_019567) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acin1 (NM_019567) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Acin1
Synonyms:	2610036I19Rik; 2610510L13Rik; Acinus; acinusL; acinusS; Acn; C79325; mKIAA0670
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC219912 representing NM_019567
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTCCGGCTGATCGCTGCCGCTTTACCAATACAATAGAGTCTGCTTACTACCAGCAACCTGGCCCTC
TTCCTCCTCTTCCTCCAGAGAGACCAGTCCAGCCGAACTCGGGGTTTGCCAAAGGGATAAACAGCACTTC
CAGGGGGAGAAAAAAAATAATGATGTTCTCAGACAGCAGAGCAGGTGAAGAGAAGGAGGAAGTGACCATG
GACACCAGTGAAAACAGACCTGAAAATGAGGTGCCTGAGCCTCCTCTGCCTGTTGCAGACCAAGTCAGCA
ATGATGAGCGCCCAGAGGGTGGTGCTGAAGAAGAGGAAAAGAAAGAGAGTTCGATGCCCAAGTCATTCAA
GAGGAAAATCTCCGTTGTCTCAGCTACCAAGGGGGTGCAAGCTGGAAACAGTGACACAGAGGGGGGCCAG
CCTGGCCGAAAACGCCGTTGGGGAGCCAGCACTGCCGCGACACAGAAGAAACCGTCCATCAGTATCACCA
CTGAGTCACTCAAGAGCCTCATCCCCGACATCAAACCCCTGGCGGGGCAGGAGGCTGTTGTGGATCTTCA
TGCCGATGACTCCCGAATCTCTGAGGATGAGACAGAGCGTAATGGCGACGATGGGACCCATGACAAGGGA
CTGAAGATATGCCGGACAGTCACTCAGGTAGTACCCGCAGAGGGCCAGGAGAATGGGCAGAGGGAAGAGG
AAGAAGAGAAAGAGCCTGAAGCCGAGCTGCCGGCGCCACCCCAGGTGTCAGTGGAGGTTGCCTTGCCCCC
ACCTGTGGAGCACGAAGTAAAGAAAGTAACATTAGGAGATACCTTAACCCGGAGGTCCATCAGCCAACAG
AAGTCTGGAGTTTCCATTACAATTGATGACCCAGTCCGGACCGCCCAGGTGCCCTCCCCACCCAGGGGCA
AGATCAGTAACATTGTCCACATCTCCAACCTGGTTCGTCCCTTCACTTTAGGCCAGCTGAAGGAATTATT
GGGGCGTACAGGAACTTTGGTGGAAGAGGCCTTCTGGATAGACAAGATCAAATCTCATTGCTTTGTGACG
TACTCTACAGTAGAGGAAGCCGTTGCCACCCGCACAGCTCTGCACGGGGTCAAGTGGCCCCAGTCCAACC
CCAAATTCCTTTGTGCTGACTATGCTGAGCAAGATGAGCTGGACTATCACCGGGGACTCTTGGTAGATCG
GCCATCTGAAACTAAGGCAGAGGAACAGGGAGCACCAAGGCCCCTGCATCCCCCACCCCCACCCCCAGTC
CAGCCACCGCCCCACCCCCGGGCTGAGCAGCGGGAGCAGGAAAGGGCTGTTCGAGAGCAATGGGCAGAAC
GGGAACGGGAAATGGAGCGCCGGGAGAGGACTCGGTCTGAGAGAGAATGGGATCGGGACAAAGTTCGAGA
GGGACCCCGCTCCCGATCACGGTCCCGTGACCGCCGCCGGAAAGAGCGAGCAAAATCTAAAGAAAAGAAG
AGTGAAAAGAAAGAAAAAGCCCAGGAGGAGCCACCTGCCAAGCTGCTGGATGACCTCTTCCGTAAGACTA
AGGCAGCTCCCTGCATCTATTGGCTCCCTCTGACTGAGAGCCAAATTGTTCAGAAGGAGGCAGAGCAAGC
TGAACGGGCCAAGGAGCGGGAGAAGCGGCGAAAAGAACGAGAAGAAGAAGAACAAAAGGAACGGGAGAAG
GAAGCTGAGCGGGAACGGAACCGGCAGCTAGAACGGGAGAAGAGGAGGGAGCACAGCAGGGAGAGAGAGA
GGGACAGGGAGAGAGAGCGGGACAGGGGTGACCGAGAGCGGGAGAGGGAGCGAGACCGAGACCGAGGCAG
GGAGAGGGATCGCAGAGACACCAAGCGCCACAGCAGAAGCCGGAGTCGAAGCACACCTGTACGGGACCGG
GGTGGGCGCCGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_019567

Insert Size: 1905 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).

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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_019567.3, NP_062513.3
RefSeq Size:	2519 bp
RefSeq ORF:	1905 bp
Locus ID:	56215
UniProt ID:	Q9JIX8
Cytogenetics:	14 C2
Gene Summary:	Auxiliary component of the splicing-dependent multiprotein exon junction complex (EJC) deposited at splice junction on mRNAs. The EJC is a dynamic structure consisting of core proteins and several peripheral nuclear and cytoplasmic associated factors that join the complex only transiently either during EJC assembly or during subsequent mRNA metabolism. Component of the ASAP complexes which bind RNA in a sequence-independent manner and are proposed to be recruited to the EJC prior to or during the splicing process and to regulate specific excision of introns in specific transcription subsets; ACIN1 confers RNA-binding to the complex. The ASAP complex can inhibit RNA processing during in vitro splicing reactions. The ASAP complex promotes apoptosis and is disassembled after induction of apoptosis. Involved in the splicing modulation of BCL2L1/Bcl-X (and probably other apoptotic genes); specifically inhibits formation of proapoptotic isoforms such as Bcl-X(S); the activity is different from the established EJC assembly and function. Induces apoptotic chromatin condensation after activation by CASP3. Regulates cyclin A1, but not cyclin A2, expression in leukemia cells (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes isoform (1).

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