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Product datasheet for MC200393

Sap18 (NM_009119) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sap18 (NM_009119) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sap18
Synonyms:	C530046K05Rik; D11Ertd539e; EMegR4; Sap18a; Sinbp1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

Fully Sequenced ORF:

>BC006625 sequence for NM_009119
GTCAGGGCGAGCGTCTCCCGGGCCGAAGGAGGAAGATGGCGGTGGAGTCGCGCGTTACCCAGGAGGAAAT
TAAGAAGGAGCCGGAGAAGCCGATCGACCGCGAGAAGACCTGCCCGCTCCTGCTGCGGGTCTTCACCACC
AACAACGGCCGCCACCACCGAATGGACGAGTTCTCCCGCGGGAACGTGCCTTCGAGCGAGCTGCAGATCT
ACACCTGGATGGATGCAACCTTGAAAGAACTGACTAGTTTAGTGAAGGAAGTCTACCCAGAAGCCAGAAA
GAAGGGCACACACTTCAATTTTGCAATTGTTTTTATGGATCTTAAAAGACCTGGATATCGAGTTAAGGAG
ATTGGCAGCACCATGTCTGGCAGGAAGGGCACTGATGACTCCATGACCCTGCAGTCACAGAAGTTCCAAA
TAGGGGATTATCTGGACATAGCCATCACGCCTCCAAATCGGGCGCCGCCTTCGTCAGGGAGGATGAGACC
CTACTGAAGTCTATTGACTTTCTTGAAGTTATTTTTCAGCCAGTTTGTAAAATAAACTTACTTAATCCTT
TCTTCCCCCGGACTTTGCCATTAAGCCTTTAAATTTTCAACAAATTGTAACACATTTATTTAGGAATTAG
AGTTGGATGTACTTTGGTATATTAAAGTCCATATGTTTTAAGCCCTTATGTAAAATATGAAGAAAAGTGC
TCTTAGCATTCTGTATAAAGCTGTATTGTGAAATACATGTGTTCAATCAGCCCAGGTGTAAAAGTTAATG
GAGGCTTGAGTCTCACCTGATAATGTAGGGGTTTATTCAGCAGTAGAGGGCATTTTAAGCCCTAAAGAGG
CAAAATAAGAAAGCCATGGGGTTGTATAAAGTGGTGAATATGTTTGTGGCATTAGATGATCGAAAAAGTA
GGTGGCAAGGGCTGGAGAGATGGCTCAGAGGTTAAGAACACTTGTTCTTTTCTTTTTTTTTTTTTCCCGG
AGACAGAGTTTCTCTGTGTAGCCCTGGCTGTCCTGGAACTCACTTTGTAGACCAGGCTGGCCTCGAACTC
AAAAATCCGCCACCACGCCCGGCTAAGAACACTTGTTCTTGCAGAGGACCCAGGTCTGTTCCCAATATCT
GTATGATGGCTCACAGCTCCAGTCCTAAGGGATCTGACCCCCTTTTTGCCTCTGGGCACCAAGTGAAGGG
AGGAAATGAATCCAAACTAGGCTATGAGGGAGGCTTACCTTGAGCCGAGAATGGAAATACAGCCTGTTGA
GTGCTGGAGACCTCACTGGAGAACTATGAAAGCTAAACATTTGCAGTAGACTTTAGAGTAGTAGTTACAG
AGTAAATGGGATGGCTGAGCCCGAAGTCATTGTTTCCTATTAGATGTGTAATGTGCATGCTGGCACATGC
ACCTGAAGGGAGGGCGAGTGAGAGGGAAAAGCTACTAAGTAGTTACTCTTTGATACGCATTTCTATTCCT
AGCTTATGTGGGACAGCTGAGCCACACTGCTAAGCATGTCTCACAAAACCTGCACAACTGAGCTGCAGTG
ACTGATTCCTGTGGCTGCTAAAGGTGTGGCTGCTTGGTTAGCTCATGATGGGCATTAGGAACAACTGGCC
CTGCTTTATTGAATTCTATACGATTGCAAACCCCAATCTTAATACATGACTATAGTTTCCACCACGAAGG
TGGTTAAGAACAGCAGAGTGGGGGCTGGTGAGATGGCTCAGTGGGTAAGAGCACCCGATTGCTCTTCCGT
AGGTCCAGAGTTCAAATCCCAAGAACCACATGGCAGTTCACAACCATCCGCAACAAGATCTGACTCCCTC
TTCTGGAGTGTCTGAAGACAGCTACAGTGTACTTACATATATTAATAAAATAAATCTTAAAAAAAAAAAA AAAA

Restriction Sites: RsrII-NotI

ACCN: NM_009119

Insert Size: 462 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: BC006625, AAH06625

RefSeq Size:	1894 bp
RefSeq ORF:	462 bp
Locus ID:	20220
UniProt ID:	O55128
Cytogenetics:	14 30.51 cM
Gene Summary:	Component of the SIN3-repressing complex. Enhances the ability of SIN3-HDAC1-mediated transcriptional repression. When tethered to the promoter, it can direct the formation of a repressive complex to core histone proteins. 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 and PSAP 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. The ASAP complex can inhibit mRNA 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 the formation of proapoptotic isoforms such as Bcl-X(S); the activity is different from the established EJC assembly and function (By similarity). [UniProtKB/Swiss-Prot Function]