

Product datasheet for **MC207094**

Sip1 (BC053424) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sip1 (BC053424) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sip1
Synonyms: Gemin2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >BC053424
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTATGTATTACTTAATTGTAGGATCGAAGCAGCCCAATGTCCAGATGTTGTGGTAGCCAGATTGACC
CAAAGAAGTTGAAAAGGAAGCAAAGTGTGAACATTTCTGTTCCAGAGATTCAGTCCATTATCATCAAGGTG
GGAGCATGGCAGTATCCAGGCAGGCTTGGCACAGGAGAACTGAGAGTTCTACATCTTCATCCAAAGGCT
GCTAGTGAAGACTGACTCCAGGCAACTAGGCTTCCGGATGCCAGCCTGCGCCTGAAGTTACTCTCC
AACACTTCAGTGGCAACAACAAGTGGCACATTTTTCAACTGTTTCGACAGAGTGTACACAAGCATAGA
AATCACTGGAAATCACAACAGTTGGACAGTAATGTGGCAATGCCAAAATCTGAAGATGAAGAAGGCTGGA
AAAAATTTTGTCTGGGTGAAAGTTATGTGCTGAAGGGGCCACTGGACCGTCTACAGAGGAAAGCCCTGG
GATCGATTATGTACAAGTTGGTTTTCTCCTTTGCTTAGTATTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC053424
Insert Size: 537 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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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:	<ol style="list-style-type: none">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:	<u>BC053424, AAH53424</u>
RefSeq Size:	2064 bp
RefSeq ORF:	536 bp
Locus ID:	66603
Cytogenetics:	12 C1
Gene Summary:	This gene encodes one of the proteins found in the survival of motor neuron (SMN) complex, which consists of the SMN protein and several gemin proteins. The SMN complex is localized to a subnuclear compartment called gems (gemini of coiled bodies) and is required for assembly of spliceosomal small nuclear ribonucleoproteins (snRNP) and for pre-mRNA splicing. This protein interacts directly with the SMN protein and it is required for formation of the SMN complex. Disruption of this gene in mouse resulted in impaired snRNP assembly, and motor neuron degeneration. [provided by RefSeq, Sep 2015]