

Product datasheet for **MC204774**

Samsn1 (NM_023380) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Samsn1 (NM_023380) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Samsn1
Synonyms:	930571B16Rik; 4930571B16Rik; Hacs1; SLy2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC064778
CACGGAGAGCACCCGTGCCTGCTCTCAGTTGTCTCTGTAACAGCAGCAACTGTGCTCACTAGAGGTGGCC
AGAATTCAAAAATGCTAAAGAGGAAGCCATCCAATGCCTCAGACAAGGAGAAAACCAAAAACCGAAGCGC
AGCAGCAGTTTTGGGAATTTTGACCGTTTTTCGGAATAATCCGTATCAAAATCTGATGACTCAATTGAGG
TCCATGACAGGGAAGTACAAAATGGAAGTGAAGAACAAAGCAAGACTTCAAGCAGTGGAGGAAGTCTAGG
TAAAAAAGTGAGGGCTATTTTCATGGACAATGAAGAAAAAAGTAGGAAAAAATACATCAAAGCTCTTTCT
GAGGAAAAAGAGGAAGAAAGTGGAGAGGAAGCCCTCCCATATCGGAACAGTGATCCCATTGTTGGAACAC
ATACAGAGAAGATCTCACTCAAAGCCAGCGACTCTATGGACAGTCTTTACAGTGGGCAGAGTTCATCAAG
TGAATAACAAGCTGTTTCAGATGGAACAAGTAATCGGGACAGTTCGACTGGATGATGACAGCCCTAC
TCAGGGCCATTCTGTGGCCGGGCAAAAGTGCACACAGACTTCACGCCAAGTCCCTATGACACCGACTCCC
TAAAAATCAAGAAAGGAGACATCATAGACATTATCTGCAAAACACCAATGGGAATGTGGACAGGGATGCT
GGACAATAAAGTGGGAACTTCAAATTTATTTATGTGGATGTTATCTTAGAAGAGGAAGCAGCTCCTAAG
AAGATAAAGGTCCCAGAAGCAGGAGAAGAGAGAACCACCAGACTATCCAGGAGTCTTAGAGAGGATTC
ACCTTCAGGAATACACTTCAACACTTCTGCTTAATGGCTATGAGACCCTGGATGACTTGAAGGATATCAA
AGAAAGTCATCTCATTGAATTAACATTGCAGATCCAGAAGACAGGGCGAGGCTGCTGTCTGCTGCCGAG
AGTCTCCTGGATGAAGAAACCACTGTAGAACATGAAAAGGAATCCGTGCCCTATCCACAACCCAGACA
TCTTGAGTGCATCACAGCTAGAGGACTGCCCGAGGGACTCTGGCTGTTATATCTCATCGGAAAACCTCAGA
TAATGGCAAGGAAGATCTGGAGTCAGAAAATCTGTCTGACATGGTGCAGAAGATTGCCATCACAGAATCC
AGTGACTGAACACACACTCTCATGTCCACACCCGAGCCGAATCCATTTGAACTTCTTGTATGCTACAG
GATCAAATGGAAGGTTTCCAAATGTACCCCAAAGTGCTAAGTGTTTCAGTCTGTACAATTGTTTATGTA
ATTTATATTTCTCACTTACCAATGAGTGTGAATAAAATGTATATTTAAGTACTATGTGTTAAAGTTT
ACCTGCCTGTATTAGGAAAAAAGACATGATGCAAGCCCATGTGTGGTATGTACTGTATTGCTCTCTATT
TCATAAGTGTAATAAATATAGACATGGAGACCAGTACTAATATATATTGAAATTTTTTTTATAGAAG
AAGTTTTAGTTTTAACTAATTTCTATAGGTAGAATATATACTCATTTTTTGAAGTACTGGGAAGTTGGGGAC
TGAGATTAGAGACTTGTGTTTCAAAGATGGAGTTTTAGTAACAATTTCTGTTTGTGTTTCTCACTCTGTTA
TCTGATATGCAGAGAGAGTTAACAATATATTGTCTGTTTTGGCTAAGTAAACATAGTTGTAGAGATGCT
AGTAAACAAGGATGTTTTGTCTTTATATGTAAATATTTTTTAATTTTCTATATCCTAATAATAACAAAAT
AAACTATGTACATATTATATCTGCTAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_023380

Insert Size: 1119 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: [BC064778](#), [AAH64778](#)

RefSeq Size: 1860 bp

RefSeq ORF: 1119 bp

Locus ID: 67742

UniProt ID: [P57725](#)

Cytogenetics: 16 C3.1

Gene Summary: Negative regulator of B-cell activation. Down-regulates cell proliferation (in vitro). Promotes RAC1-dependent membrane ruffle formation and reorganization of the actin cytoskeleton. Regulates cell spreading and cell polarization. Stimulates HDAC1 activity. Regulates LYN activity by modulating its tyrosine phosphorylation.[UniProtKB/Swiss-Prot Function]