

Product datasheet for **MC206394**

Srxn1 (BC049957) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Srxn1 (BC049957) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Srxn1
Synonyms:	TX01, Srx
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC049957
 GGCAGAGCGCCACGGCGGGCAGTGGGCAGCTAGGTCAGAGTGAGACACGCAGGGAGGGGAGGGGCGGCGAG
 TCAAGCGGCTCGGGGACAGGTAGGATCACAGCGTGGGCCGAGCACTCGGTCGGGGCAAACGCAGAGCCGT
 CGCCCCCGCGGCCACGCGATGGTACAGCCCGGCTGGTAAAGAGGCCGGGCGGCACTGGCCACCAAGG
 AAGAGGTATGGGGCTACGCGCGGGTGGAGCGCTCCGGAGGGCGGGTGCGGGGCCCGGGCGCCCCGAGGGA
 CAGGGACCCGGTGGGCCAGGGCGGCAGCATCCAACCGGCTGCATCGCCACGGTGCACAACGTACCAA
 TCGCCGTGCTCATCCGGCCGCTGCCGTCGGTGGACCCGGCCAAAGTGCAGAGCCTGGTGGACACGAT
 CCTGGCGGACCCGACAGTGTGCCCCCATCGAGTCCTCTGGATCAAAGGGGCCAGGGTGGCGACTAC
 TACTATTCCTTTGGGGGTGCCACCGCTATGCAGCCTACCAGCAGCTGCAGAGAGAGACCATTCTGCCA
 AGCTCGTGAAGTCCACCCTTTCAGACCTGAGGATGTACCTGGGAGCATCCACACCAGACTTGCAATAGCA
 ACCTCCTGATAGCCCCCTGCCCTCTCCACATCAGCACCCTACCCGGCGCTCAGAAGACACATGCAGCC
 CCCAGTGGGCAGAAGCTGTAGATGGGATATGTTCTTTTATTCTTAAGGGAGGTCTGCCTCTTGGTGCCT
 CTGCACTAGCTCCAGGGGCTAGCTCCCAGGAATGAGGGGTTTCAAGTCTCTGTCTATGAAAGATATC
 ATGGCCTTGACCCTGAAGGAGTACCAGGAAGGAAGAAAGGAGATGGACTTGGAGACAAGGACTCTCATT
 TAATCTTTATGATAGCACTATATGAACTATGTACTAGGAAGTAAAGGAAAACCCAGGTACCATGGCTTC
 AGTGAGAGAAGCTGGTTATCCATCCCCATAGCCTGAACTCTGAAACCGCAGCTAACACAGCACTGACTA
 ACACAGTATTGTGTCAACAGCTCAGTGAAGGCAGGGCTTCTCTCGGGAGTCCTTTGGCCTTGTCTCTCT
 TGCTCCTTACTTCGTAGTCGCTGTTGCTGTTTCTAGGAACCGTGTCTGTGCTCAAGGAAGAAACCCAC
 TGGACCAACTTCTGTCAGAAAGGAAAACCTTGTCAAAGTTTCAGGACCCCTGTTCTTTGCTTATTTGCAC
 ATGGTCACCTTGGTCTGAGCTAGCCACCATTTGCACCCACAGCTGCAAAGAAAGCAGACCTTAGGAAACA
 CTGTACGGCTGAGTGTGACTGCCTTGTTCATCCCCTGGACTGGTACTGTGTTGCCTGCAGTACCATTGG
 GATCCCATAGCAAGAGAGGGAGAGGGAGATGTTAGTTAGCCTTTGCTACGAACCAAGCTGTCCCCAAGCT
 CAACAGCTAAACAGGTATTCATTTACCCATGATTCATGGGTTAGCTAAGCTCCTTTGAGCAGCTCCTCT
 GATGTGGCCTGGTCCGCTCATGAGCCCATAGTCAATTGTCACCTCAGCTGGGGCTGGTTGGCTGGGGT
 CACCTTACCATTGTGGCAAGTGTGGCTGCATTGGCTTGGTTACTCTTGTGCTCTCTCAAAGGTCAG
 TTCAGGAGAATTCTCAAGATGGCCTCAGGGTTCCAAGAGAGAGTGTAGTGTGAGAGGGCCTGGAGCGGAGA
 CTCAGCTGTTAAGAGCACCTACATGGTATTACAACTGTGATCCCTGTTCCAGATGACCTGATGCC
 TCTTCTAGGCTCTGTGGGCACAGACAAACATTCGAGCAAAGCACCCAATTGCTTTTCTTTTGTCTTTT
 GAGACACGGGTTTTTCTGTGTAACCTGGCTGTCTGGAACCTACTGTGCAGTACCAGGCTGGCCTTGA
 CCTCACGGAGATTTGCCTCTCTGCATCCCGAGTGTGGTATTAAGAAGGTGTGCACTACTATCAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC049957

Insert Size: 411 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: [BC049957](#), [AAH49957](#)

RefSeq Size: 2056 bp

RefSeq ORF: 411 bp

Locus ID: 76650

Cytogenetics: 2 G3

Gene Summary: Contributes to oxidative stress resistance by reducing cysteine-sulfinic acid formed under exposure to oxidants in the peroxiredoxins PRDX1, PRDX2, PRDX3 and PRDX4. Does not act on PRDX5 or PRDX6. May catalyze the reduction in a multi-step process by acting both as a specific phosphotransferase and a thioltransferase.[UniProtKB/Swiss-Prot Function]