

Product datasheet for **RN204620**

Srp54a (NM_053871) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Srp54a (NM_053871) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Srp54a
Synonyms:	Srp54
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN204620 representing NM_053871
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTTCTAGCAGATCTTGAAGAAAAAATACATCAGCATTACGCTCACTGAGCAATGCCACCATTATCA
 ATGAAGAGGTAATAATGCTATGCTGAAGGAAGTGTGTACAGCACTATTGGAAGCAGATGTTAATATTAA
 ACTAGTGAAGCAGCTGAGAGAAAATGTTAAGTCTGCGATTGATCTTGAGGAGATGGCGTCCGGTCTGAAC
 AAAAGGAAGATGATTCAGCATGCTGTGTTAAAGAACTTGTAAGCTTGTAGACCCTGGAGTTAAAGCAT
 GGACACCGACTAAGGGAAAGCAAATGTGATCATGTTTGTGGATTGCAAGGGAGTGGTAAAAACAACAAC
 GTGTTCAAAGTTAGCATATTTTTACCAGAGGAAAGTTGGAAGACCTGTTTGATATGTGCAGATACATTC
 AGAGCAGGAGCTTTTGACCAGCTTAAACAGAACGCCACCAAGCAAGAATCCGTTCTATGGAAGCTATA
 CCGAAATGGATCCTGTCATCATTGCTTCTGAAGGAGTGGAGAAATCAAAAATGAAAATTTTGAATTTAT
 TATTGTTGATACAAGTGGTCGTCACAAACAAGAAGACTCCTTGTGTTGAAGAAATGCTTCAAGTTTCTAAC
 GCTATACAACCTGATAACATTGTTTATGTGATGGACGCATCCATTGGACAGGCTTGTGAGGCCCAGGCAA
 AGGCCCTCAAAGATAAAGTAGATGTAGCTTCAGTAATAGTGACGAACTTGATGGTCATGCAAAAAGGAGG
 TGGTGCTCTCAGTGCAGTTGCTGCCACAAAAGTCCAATTATTTTATTGGTACAGGAGAACATATAGAT
 GACTTTGAACCTTTCAAAACACAACCTTTCATTAGTAACTTCTTGAATGGGTGACATTGAAGGACTGA
 TTGATAAAGTCAATGAGTTGAAGTTGGATGATAACGAGGCACTTATAGAGAAGCTGAAGCACGGTCAGTT
 TACATTGCGAGACATGTATGAACAGTTTCAGAAATTTATGAAAATGGGCCATTTCAGTCAGATCTTGGGG
 ATGATTCCTGGTTTTGGCACAGATTTTATGAGCAAAGGAAATGAGCAGGAGTCAATGGCAAGGCTAAAGA
 AGCTGATGACGATAATGGACAGTATGAATGATCAAGAACTGGACAGTACAGATGGTCCAAAGTTTTTATG
 TAAGCAACCAGGCAGAATCCAAAGAGTTGCCCGGGATCAGGTGTGCAACAAGAGATGTGCAAGAAGACTT
 CTCACACAGTATACCAAGTTTGCCAGATGGTCAAAAAGATGGGAGGTATCAAAGGGCTTTTTAAAGGTG
 GTGATATGTCAAAGAATGTGAGTCAGTCACAGATGGCAAATTAATCAACAAATGGCCAAAATGATGGA
 CCCACGAGTTCTTCATCACATGGGTGGCATGGCCGGCCTTCAGTCGATGATGCGGCAGTTTCAGCAGGGT
 GCTGCTGGCAATATGAAAGGCATGATGGGATCAATAACATG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_053871
- Insert Size:** 1515 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: [NM_053871.1](#), [NP_446323.1](#)

RefSeq Size: 2167 bp

RefSeq ORF: 1515 bp

Locus ID: 116650

UniProt ID: [Q6AYB5](#)

Cytogenetics: 6q23

Gene Summary: may recognize signal sequences of secretory proteins and may retard them in the endoplasmic reticulum; may regulate synthesis of the secretory protein osteopontin [RGD, Feb 2006]