

Product datasheet for **RN209200**

Srpx2 (NM_001108243) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Srpx2 (NM_001108243) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Srpx2
Synonyms:	RGD1562444
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN209200 representing NM_001108243
 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
 GCCC

ATGAAGACTGGTTCAGTACTCAAGAGGTGCGCTCTTATTGCTGCTCCTCTAGCACCAGCAGTGACAC
 CAACATGGTATGCAGGCTCAGGTTATTCTCCAGATGAAAGCTACAATGAAGTATATGCAGAAGAGGTCCC
 CGACACCCGTGCCCTGGACTACAGAGTCCCTCGATGGTGTACACATTGAATATCCAGGATGGAGAAGCC
 ACATGCTACTACCAAGGGGAGGCAATTATCACAGTAGCCTAGGCACACGTTGTGAGCTCTCCTGTGACC
 GGGGCTTCGACTGATTGGACGGAAGTCAGTACAATGTTTGCCAAAGCCGCCGTTGGTCTGGAAGTGCCTA
 CTGCAGGCAGATGAGGTGCCACACTGCCATTCATCACTAGTGGCACCTACACCTGCACCAATGGAATG
 CTGCTTGATTCCGCTGTGACTACAGCTGTTCTAGTGGCTACCACCTGGAAGGCGATCGCAGCCGCATCT
 GCATGGAAGATGGCGATGGAGTGGAGGCGAGCCTGTATGTGTAGACATAGATCCACCCAAGATCCGTTG
 TCCTCACTCTCGGAGAAAATAGCAGAGCCAGAGAACTAACTGCTCGAGTATACTGGGACCCACCTTA
 GTGAAAGACTCCGCTGATGGTACCATCACAGGTAACACTTCGGGGTCCAGAGCCTGGTTCTCACTTCC
 CTGAAGGAGAGCATGTGATTTCGCTATACTGCATATGACCGAGCCTACAACCGGGCCAGCTGCAAGTTCAT
 TGTAAAAGTACAAGTGAAGCCTGTCTATTCTGAAACCACACAGCATGGCTACCTCACCTGCAGCTCA
 GCGGGGACAACATATGGTGCATCTGTGAATACCACTGCGATGGTGGTTATGAACGCCAAGGACCCCTT
 CCCGAGTCTGTCAAGTCAAGTCAAGTGGTCTGGATCACCACCTGTCTGTACTCTATGAAGATTAATGT
 CAATGTTAACTCAGCTGCTGGCTCCTGGATCAGTTCATGAGAAACAGCGACTCCTCATAGTCTCAGCT
 CCTGATCCCTCCAATCGATACTACAAAATGCAAATCTCTATGCTGCAGCAATCCACCTGTGGATTGGACC
 TGGCAGATGTGACCATTATTGAGCTGGTGGGACGCCACCTCAGGAGGTGGGGCGCATCCGGGAGCAACA
 GCTATCAGCAGGCATCATTGAGGAGCTCAGGCAATCCAGCGCCTCACTGTTCCACTTCAACATGGTG
 TTAATTGACAAGCAGGATTTGACCGGGAACGCTACATGGAACCTGTACCCCTGAGGAAATCTTCACAT
 TCATCGATGACTACCTACTGAGCAACCAGGAGCTGGCAAGAAGAGCGGAGCAGAGGGATGTTTGCAGTG
 A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** AscI-MluI
- ACCN:** NM_001108243
- Insert Size:** 1401 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_001108243.2, NP_001101713.1

RefSeq Size: 2003 bp

RefSeq ORF: 1401 bp

Locus ID: 317181

UniProt ID: B5DF94

Cytogenetics: Xq32

Gene Summary: Acts as a ligand for the urokinase plasminogen activator surface receptor. Plays a role in angiogenesis by inducing endothelial cell migration and the formation of vascular network (cords). Involved in cellular migration and adhesion. Increases the phosphorylation levels of FAK. Interacts with and increases the mitogenic activity of HGF (By similarity). Promotes synapse formation.[UniProtKB/Swiss-Prot Function]