

Product datasheet for **RR209200**

Srpx2 (NM_001108243) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR209200 representing NM_001108243
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
 GCCC

ATGAAGACTGGTTCAGTACTCAAGAGGTGCGCTCTTATTGCTGCTCCTCTAGCACCAGCAGTGACAC
 CAACATGGTATGCAGGCTCAGGTTATTCTCCAGATGAAAGCTACAATGAAGTATATGCAGAAGAGGTCCC
 CGACACCCGTGCCCTGGACTACAGAGTCCCTCGATGGTGTACACATTGAATATCCAGGATGGAGAAGCC
 ACATGCTACTACCAAGGGGAGGCAATTATCACAGTAGCCTAGGCACACGTTGTGAGCTCTCCTGTGACC
 GGGGCTTCGACTGATTGGACGGAAGTCAGTACAATGTTTGCCAAGCCGCCGTTGGTCTGGAAGTGCCTA
 CTGCAGGCAGATGAGGTGCCACACACTGCCATTCATCACTAGTGGCACCTACACCTGCACCAATGGAATG
 CTGCTTGATTCCCGCTGTGACTACAGCTGTTCTAGTGGCTACCACCTGGAAGGCGATCGCAGCCGCATCT
 GCATGGAAGATGGCGATGGAGTGGAGGCGAGCCTGTATGTGTAGACATAGATCCACCAAGATCCGTTG
 TCCTCACTCTCGGAGAAAATAGCAGAGCCAGAGAACTAACTGCTCGAGTATACTGGGACCCACCTTA
 GTGAAAGACTCCGCTGATGGTACCATCACAGGGTAACACTTCGGGGTCCAGAGCCTGGTTCTCACTTCC
 CTGAAGGAGAGCATGTGATTTCGCTATACTGCATATGACCGAGCCTACAACCGGGCCAGCTGCAAGTTCAT
 TGTAAGTACAAGTGAAGACGCTGTCTATTCTGAAACCACACAGCATGGCTACCTCACCTGCAGCTCA
 GCGGGGACAACATATGGTGCATCTGTGAATACCACTGCGATGGTGGTTATGAACGCAAGGGACCCCTT
 CCCGAGTCTGTCAAGTCAAGTCAAGTGGTCTGGATCACCACCTGTCTGTACTCCTATGAAGATTAATGT
 CAATGTTAACTCAGCTGCTGGCCTCCTGGATCAGTTCTATGAGAAACAGCGACTCCTCATAGTCTCAGCT
 CCTGATCCCTCCAATCGATACTACAAAATGCAAATCTCTATGCTGCAGCAATCCACCTGTGGATTGGACC
 TGGCAGATGTGACCATTATTGAGCTGGTGGGACGCCACCTCAGGAGTGGGGCGCATCCGGGAGCAACA
 GCTATCAGCAGGCATCATTGAGGAGCTCAGGCAATCCAGCGCCTCACTCGTTCCACTTCAACATGGTG
 TTAATTGACAAGCAGGATTTGACCGGGAACGCTACATGGAACCTGTACCCCTGAGGAAATCTTACAT
 TCATCGATGACTACCTACTGAGCAACCAGGAGCTGGCAAGAAGAGCGGAGCAGAGGGATGTTTGGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209200 representing NM_001108243
 Red=Cloning site Green=Tags(s)

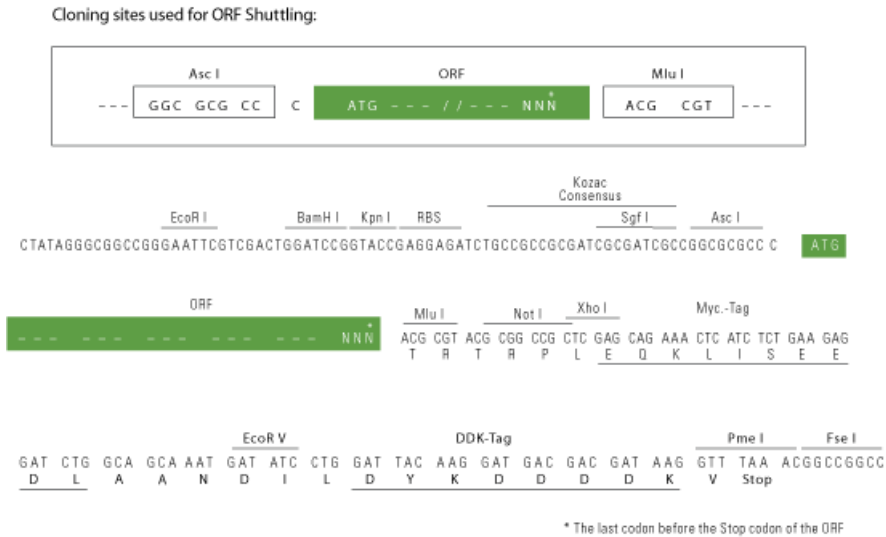
MKTGSLTQRGALLLLLLLAPAVTPTWYAGSGYSPDESYNVEVYAEVDPDTRALDYRVPWCYTLNIQDGEA
 TCYSPRGGNYHSSLGTRCELSRDRGFRLLIGRKSQCLPSRRWSGTAYCRQMRCHTLPFITSGTYTCTNGM
 LLDSRCDYSCSSGYHLEGDRSRICMEDGRWSGGEPCVDIDPPKIRCPHSREKIAEPEKLTARVYWDPLL
 VKDSADGTITRVTLRGPEPGSHFPEGEHVIRYTAIDRAYNRASCKFIVKVQVRRCPILKPPQHGYLTSS
 AGDNYGAICEYHCDGGYERQGTSPRVCQSSRQWSGSPVCTPMKINNVNNSAAGLLDQFYEQRLIVSA
 PDPSNRYKMQISMLQQSTCGLDLRHVTIIEELVGQPPQEVGRIREQQLSAGIIEELRQFQRLTRSYFNMV
 LIDKQGIDRERYMEPVTPPEEIFTFIDYLLSNQELARRAEQRDVCE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

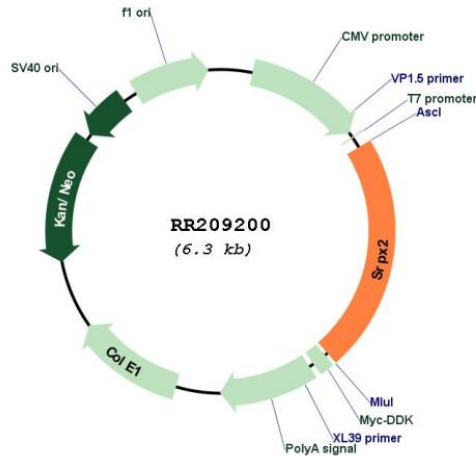
Restriction Sites:

AscI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108243

ORF Size: 1398 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

MW: 52.9 kDa

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]