

Product datasheet for **SC114976**

SRPX2 (NM_014467) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SRPX2 (NM_014467) Human Untagged Clone
Tag:	Tag Free
Symbol:	SRPX2
Synonyms:	BPP; CBPS; PMGX; RESDX; SRPUL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC114976 sequence for NM_014467 edited (data generated by NextGen Sequencing)

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ATGGCCAGTCAGCTAACTCAAAGAGGAGCTCTCTTTCTGCTGTTCTTCTAACTCCGGCA
GTGACACCAACATGGTATGCAGGTTCTGGCTACTATCCGGATGAAAGCTACAATGAAGTA
TATGCAGAGGAGGTCCCACAGGCTCCTGCCCTGGACTACCGAGTCCCCGATGGTGTAT
ACATTAATATCCAGGATGGAGAAGCCACATGCTACTCACCGAAGGGAGGAAATTATCAC
AGCAGCCTGGGCACGCGTTGTGAGCTCTCCTGTGACCCGGGCTTTCGATTGATTGGAAGG
AGGTCCGTTGCAATGCCTGCCAAGCCGTCGTTGGTCTGGAAGTGCCTACTGCAGGCAGATG
AGATGCCACGCACTACCATTCATCACTAGTGGCACTTACACCTGCACAAATGGAGTGCTT
CTTGACTCTCGTGTGACTACAGCTGTTCCAGTGGCTACCACCTGGAAGGTGATCGCAGC
CGAATCTGCATGGAAGATGGGAGATGGAGTGGAGGCGAGCCTGTATGTGTAGACATAGAT
CCCCCAAGATCCGCTGTCCCCTCACGTGAGAAGATGGCAGAGCCAGAGAAATTGACT
GCTCGAGTATACTGGGACCCACCGTTGGTGAAGATTCTGCTGATGGTACCATCACCAGG
GTGACACTTCGGGGCCCTGAGCCTGGCTCTCACTTCCCGAAGGAGAGCATGTGATTCTGT
TACACTGCCTATGACCGAGCCTACAACCCGGCCAGCTGCAAGTTCATTGTGAAAGTACAA
GTGAGACGCTGCCAACTCTGAAACCTCCGCAGCACGGCTACCTACCTGCACCTCAGCG
GGGGACAACATATGGTGCCACCTGTGAATACCACTGTGATGGCGGTTATGATCGCCAGGGG
ACACCCTCCCGGGTCTGTGAGTCCAGCCGCCAGTGGTCAAGTTCACCACCAATCTGTGCT
CCTATGAAGATTAACGTCAACGTCAACTCAGCTGCTGGTCTCTTGGATCAATTCTATGAG
AAACAGCGACTCCTCATCATCTCAGCTCCTGATCCTTCCAACCGATATTAAAAATGCAG
ATCTCTATGCTACAGCAATCCACCTGTGGACTGGATTTGCGGCATGTGACCATCATTGAA
CTGGTGGGACAGCCACCTCAGGAGGTGGGGCGCATCCGGGAGCAACAGCTGTCAGCCAAC
ATCATCGAGGAGCTCAGGCAATTTGAGCGCCTCACTCGCTCTACTTCAACATGGTGTG
ATTGACAAGCAGGGTATTGACCGAGACCGCTACATGGAACCTGTACCCCCGAGGAAATC
TTCACATTCATTGATGACTACCTACTGAGCAATCAGGAGTTGACCCAGCGTCGGGAGCAA
AGGGACATATGCGAGTGA

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Clone variation with respect to NM_014467.2

5' Read Nucleotide Sequence: >OriGene 5' read for NM_014467 unedited

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TTTTCCCCCGCCCGTTGCCGCATTGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAG
CAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGC
GAATTCGGCAGCAGGGGACTGAGTTCCTCTAATCCCTCTGTTCTCTCCCCATCTTTC
TAAAACCTTCTCTGAGAGAGGAATAACTATAGCTTACAGGATAATATAGCTTTAAGGAA
ACTTTTGGCAGATGTGGACGTCGTAACATCTGGCAGTGTAAACAGAATCCCGGAGGCCG
GGACAGACCAGGAGCCACTCGTTCAGGAATGTTAAAGTAGAAGGTTTTTCCAATTGAT
GAGAGGACAGAGAGGAAGGAGAAAGAGGAGAGAGAGAAAAAGGGCACAAAATACCATA
AAACAGATCCCATATTTCTGCTTCCCCTCACTTTTAGAAGTTAATTGATGGCTGACTTCT
GAAAGTCACTTTCTTTGCCCTGGTACTTCAGGCCATATACATCTTTTCTGTCTCCATA
ATCCTCCCTTTCAAGGATGGCCAGTCAGCTAACTCAAAGAGGAGCTCTTTTCTGCTGTT
CTTCTAACTCCGGCAGTGACACCAACATGGTATGCAGGTTCTGGCTACTATCCGGATGA
AAGCTACAATGAAGTATATGCAGAGGAGGTCCCACAGGCTCCTGCCCTGGACTACCGAGT
CCCCCGATGGTGTATACATTAATATCCAGAATGGAGAAGCCACATGCTACTCNACCGA
AGGAGGAAATTATCACAGCAGCCTGGGCACGCGTTGTGAGCTCTCCTGTGACCGNGCTT
TCGATTGATGGAAGGNAGGGTCGGTGCATGCCAGCCGTCGNTGGTCTGGAAGTGN
CTACTGCAGCAGATTGAGATGCACGCACTACCATCN

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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014467 unedited TTGGCTGGGATTTACTATGNCCGCGCCGCTTTCTAGNGATCGGTTTTCTTTTTTTTT TTTTTTTTTTCATCACTGAATTTAGGATTTACTTTTCTGAAAGACTTTGGAGAGCTGGG CAGGGGCCCGGTTAGGAAAGGAAGAACTTCTACCCCAACCCACTGCCAAGGCCTGTC CTCAGTCCCTACCTAGCTTCTAGGGAACTATTACACAGTCCTTTTTTTTGCCTGGAAAC ACTGCAGATTTGTGGGACTCACCCACCTCAGAGTCTGTCCCTAGAAGTGTGGGAAAAC ATTTCTCCTTTTATTAGGTCCCAGTTTCAGCTAACTAGAGGAGCTTTTCCCTTGACTTT AACCATGCCCTGGCTCAAGTTCCTCGCATATGTCCCTTTGCTCCCGACGCTGGGTCAAC TCCTGATTGCTCAGTAGGTAGTCAATGAATGTGAAGATTTCTCGGGGTGACAGGT TCCATGTAGCGGTCTCGGGCAATACCCTGCTTGTCAATCAACACCCTGTTGAAATAGGAG CGAGTGAGGCGCTGAAATTGCCTGAGCTCCTCCATGATGTTGGCTGACCACTGTTGCTCC CCGATGCGCCCCACCTCCTGAGGGGGCTGTCCACCAGTTAATGGTGGTGACATGCCGC AAATCCATTCCCCAGGTGGATTGCTTGTGCCTAAAAAAGTGCATTTTTAAATTCGGTTG GAAAGGTACGGACCTTACATGATGAAGAAGCCCTGTTTTTTCTAAAAATTGATCCCCC CAAACCACCCCTTGGGTTGACCCTTGCCGTTTATCTTCTTAAGGGACTCCCTATGGGGG GGGAACCCCC
Restriction Sites:	NotI-NotI
ACCN:	NM_014467
Insert Size:	2250 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:	<ol style="list-style-type: none">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_014467.1 , NP_055282.1
RefSeq Size:	2133 bp
RefSeq ORF:	1398 bp
Locus ID:	27286
UniProt ID:	O60687
Cytogenetics:	Xq22.1
Domains:	CCP, HYR
Protein Families:	Druggable Genome, Secreted Protein

Gene Summary:

This gene encodes a secreted protein that contains three sushi repeat motifs. The encoded protein may play a role in the development of speech and language centers in the brain. This protein may also be involved in angiogenesis. Mutations in this gene are the cause of bilateral perisylvian polymicrogyria, rolandic epilepsy, speech dyspraxia and cognitive disability. [provided by RefSeq, May 2010]