

Product datasheet for **SC114769**

SAPS1 (PPP6R1) (NM_014931) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SAPS1 (PPP6R1) (NM_014931) Human Untagged Clone
Tag:	Tag Free
Symbol:	SAPS1
Synonyms:	KIAA1115; PP6R1; SAP190; SAPS1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_014931, the custom clone sequence may differ by one or more nucleotides

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ATGTTTTGGAAGTTTGACCTGCACACAAGCTCGCACCTGGACACGCTGCTGGAGCGGGAGGACCTGAGCC
TGCCCCGAGCTGCTGGACGAGGAAGACGTGCTGCAGGAGTGCAAGGTCGTC AACCCGCAAGCTGCTGGACTT
CCTGCTGCAGCCACCCACCTGCAAGCAATGGTGGCCTGGGTACCCAGGAGCCGCCAGATAGCGGTGAG
GAGCGGCTGCGCTACAAGTACCCAGTGTGGCCTGCGAGATTCTGACCTCAGATGTGCCCCAGATCAATG
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GCATCCCAGTCCCTGTGTGACATCATCCGCTGAGCCGGGAGCAGATGATCCAAGTCCAGGACAGCCAG
AGCCTGACCAACTGCTGGCCACCCTGGAGAAGCAGGAGACGATTGAGCAGCTCTTAAGCAACATGTTTGA
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CCGAGGTCCGAGTCCGTGACCGTGAACAGCTTCTTCAGCAGTGTGGATGGGCAGCTGGAGCTCCTGGCCC
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CGCAGGAGCTCCTGGCACTGGACGTGCCAACACCATGCTGGACCTTCTTCCATTATGTCTTCAACAA
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CCCGTCTGGGCCAGCCACCTGGTGTCCGGAGTGGAGGCAGCACAGACAGTGGAGGCGAAGAAGAGGAGGA
CGAGGAGGAGGAGGAAGACGAGGAGGGCATTGGCTGTGCAGCCCGTGGAGGGGCCACCCCTCTGTCTAC
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TGTGCCCAAGGGCCTCCCACTCAGAGCCTGGCCAGCCCTCCTGCCCGTACGCCCTGCAGCTCAGGTCT
CAGGACCCACACCCCTCAGCACCTCAGGAAGCCACAGAAGGCAGCAAAGTACGGAGCCCTCAGCCC
CTTGCCAGGCCTTGGTTAGCATCGGGACCTTCAGGCCACCTTCACGGGATCCGTTCTGCCCCAGCTC
CTCGGACAGTGAACCAGAGACCCCTCTACCTCTGTCCCAGCCTCCGGGGCCACCAGCCCCCAGACC
ACAGAAGGGGAGAAGAGCCAGAGCCCTTGGGGCTTCCCAAGCCAGAGTGCCAGGCCCTCACGCCTC
CTCCGATACCAATGGCTCTGCCCGGAAGGGCTGCATCCCAGGCTCCCAATAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014931 unedited
 GGTCACAATTTGTATACGACTCACTATAGGCGGCCGCGNAATTCGCACGAGGATGATGCC
 CTGGGTGCTGATGAGTCCCTTCTGAACCGGCTCTACGGCTTCTGCAGAGCACCGGCAGC
 CTCAACCCACTGCTGGCCAGCTTCTTCAGCAAGGTCATGGGCATCCTCATCAACCGCAAG
 ACAGACCAGCTCGTGTCTTTCTTCGGAAGAAGGATGACTTCGTGGACCTGCTGCTGCAG
 CACATTTGGCACCTCGGCCATCATGGACCTCCTGCTGCGCCTGCTCACCTGTGTGGAGCGG
 CCTCAGCTGAGGCAGGATGTTGTCAATTGGCTCAACGAGGAGAAGATCGTCCAGCGGCTG
 ATTGAGCAGATCCACCCGTCGAAGGATGAGAATCAACATTCCAACGCATCCCAGTCCCTG
 TGTGACATCATCCGCCTGAGCCGGGAGCAGATGATCCAAGTCCAGGACAGCCAGAGCCT
 GACCAACTGCTGGCCACCCTGGAGAAGCAGGAGACGATTGAGCAGCTCTTAAGCAACATG
 TTCGAGGGGGAGCAGAGCCAGTCTGTCATCGTCAGTGGGATCCAGGTGCTGCTGACCCTG
 CTGGAGCCAGGAGGCCGAGGTCCGAGTCCGTGACCGTGAACAGCTTCTTCAGCAGTGTG
 GATGGGCAGCTGGAGCTCCTGGCCAGGGGCCCTGGAAGCACTGTGTCCAGTGTGGGCGC
 CTTGCACGCCCTACGCCCGGGCTCAGCTGCTTCCACCAGCTCCTGCTGGAGCCTNCCAG
 CTGGAGCCGCTACAGATGACATGGNGCATGCTGGCTCCGCCTCTGGGCACACGGCGCTG
 ACGTGGTCAAGCTCCTGGCCAGTGCCCTGAGCGCCATGATGCAGCCCTGACCACGAGCTC
 CTGGCACTGGACGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014931 unedited
 CTATGGCCGCGGCCGATCTAAATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTCCGAAAACGGCCTTCTTTATTAATATTGGCAATATAAAATAAA
 AGCTGGGAAAAACGCCCCACACTCACACCACCCTGGGAGGAGGACCTGGGAACAAGG
 CCATTTGGAAACAGGGTTGGAACCTAAAACCCTAAAGGCCCTGGGGCTGTTGCCGGGA
 GGCCCTTGCTCCCAAAACCCGAACCTGGCCTGGTAAAAGGGCAGGGTCTGGGCAAAGGCA
 CGGCCCCCACTGGGAACCTTTGGCCCCCACCACCCTGGGCCGCCCCCATGGGGGA
 CCTGACCTAAAAGGCCGGGGGGGGCGTGGCCCTTTGCCCTGCAGGGGGAAACAGCTGGC
 CACGGGGGGGAAACCTTGGGACCCCTAACACCAGCTCCCGTTGGGACGGAAACAGGAAAG
 GCTGTGCTTTGGACCCCAACCCAGTTGGGGGGCCTAACTTTTTTTGGGTCTCTCCCT
 CTTTTTATAAAAAAAAAAAAAAAAAAGGGTCCCTTCTCCATTCCCTTATTTGACCCTTG
 GATCTTAATCCAAGGAGGGAACGCTCAAAACCTTTTTTCTCACGGCAAATGGGGGTGGG
 CTGGCCCCGTTTTCTCCTGGCCCCACCTCCTGGGGGGCCAAAAAAAAAAGGGGGGCGTC
 CCGGTGTATAGGCATGGGCGCCTTCTGGAACCCCCCCCCCCCCCGCCGAAACCCGCG
 AGCCCCACAATCCCCCCTTTCCCCCACATCCCTGGAACCCGGCGATCCCGCCTTCGG
 GCAACAATAGGTTCCAAGAGGGCGCCGCCCTTCTTCTTGCCAACCCGGTCTGCTT
 TTCCTTCCCCTGGGGCGCTTTTCTCCCGTCCCCCCTCACCTCTCC

Restriction Sites:

NotI-NotI

ACCN:

NM_014931

Insert Size:

3270 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_014931.1 , NP_055746.1
RefSeq Size:	3654 bp
RefSeq ORF:	3654 bp
Locus ID:	22870
UniProt ID:	Q9UPN7
Cytogenetics:	19q13.42
Domains:	SAPS
Gene Summary:	Protein phosphatase regulatory subunits, such as SAPS1, modulate the activity of protein phosphatase catalytic subunits by restricting substrate specificity, recruiting substrates, and determining the intracellular localization of the holoenzyme. SAPS1 is a regulatory subunit for the protein phosphatase-6 catalytic subunit (PPP6C; MIM 612725) (Stefansson and Brautigan, 2006 [PubMed 16769727]).[supplied by OMIM, Nov 2010]