

Product datasheet for SC125915

SAPS2 (PPP6R2) (BC052995) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SAPS2 (PPP6R2) (BC052995) Human Untagged Clone
Tag:	Tag Free
Symbol:	SAPS2
Synonyms:	dj579N16.1; KIAA0685; PP6R2; SAP190; SAPS domain family, member 2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for BC052995 edited
 CGGACGCGTGGGCGATCGGAGTGCCTCCGCGCCCGAGTCGGTCTCGAGCCCGCCG
 GGCCGTGCCGGTGTCCGTAGGCGCTGCGCCCTCGGCCGGCCCATGTGTGTGCGGCCCG
 CCGAGGCCGCGGGCTTTGCCTCCACACGCGCCCTGGCCTCCGCTCGGGCCTCCACACG
 GGCTCCGAAGAGCTGCCGCGACGCCCGCCGAGGGCAGGTAAGAGATTATAAATCT
 TCCACTGAATGAAAAAATTTTCTTAAAGCTGCATATACTCCAAGAAAAAACCAAAAT
 GTTTTTCTGTTTGCCTGAATACATGATTTAAACAAGAGATTTCCACAGAAGCTCTGCGG
 CCGTACGATGTTCTGGAAGTTGACTTGAACACCACGTCCCATGTTGACAAGCTGCTGG
 ACAAGGAGCATGTGACGCTGCAGGAGTTAATGGATGAAGATGACATCTTGACAGGAGTGA
 AGGCTCAGAACAGAAGCTGCTGGACTTCTGTGCAGGCAGCAGTGCATGGAGGAGCTTC
 TGACTTGTGATGTGCCGAGATCAGCGACCGCCTCGGTGGGACGAGAGCCTGCTGAGCC
 TCCTGTACGACTTCTGGACCATGAGCCGCTCTCAATCCTCTGCTCGCCAGTTTTTTCA
 GCAAGACCATTGGCAATCTCATTGCAAGAAAAACCGAACAGGTGATTACGTTTTTGAAGA
 AGAAGGACAAGTTCATCAGCCTGGTGTGAAGCACATCGGCACCTCAGCGCTTATGGACC
 TGCTGCTGCGCCTGGTACGCTGTGTGGAGCCAGCCGGGCTCCGGCAGGACGCTCCTGCACT
 GGCTGAATGAAGAGAAGTTCATCCAGAGGCTTGTGGAGTTGATCCACCCGAGCCAGGATG
 AAGATAGGCAGTCAAATGCTTCTCAGACTCTCTGTGACATAGTTAGGCTGGGCAGAGACC
 AGGCAGTCAGCTGCAAGAGGCTCTGGAGCCAGACCCGCTCCTCACAGCGCTGGAGTCGC
 AGGACTGTGGAGCAGCTTCTGAAGAACATGTTTGTGAGACCGGACGAGAGCTGCC
 TCGTCACTGGGACTCAGGTGTTACTCACCTTGCTGGAAACAGGCGGTTGGGACAGAGG
 GCTTGGTGGACTCCTTTTCTCAGGGACTGAAAGGTCATACGCTGTGACGAGCAGCGTAC
 TACACGGCATCGAGCCTCGGCTGAAGGACTTCCACCAGCTCCTGCTCAACCCGCCAAGA
 AGAAAGCGATCCTGACCACCATGGTGTGCTGGAGGAGCCCTGGGGAATGCCCGTCTGC
 ATGGCGCCCGCTCATGGCAGCACTGCTGCACACAAACACCCAGCATCAACCAGGAGC
 TCTGCCGCTCAACAGATGGACTTACTGCTGGACTTGTCTTTAAGTACACCTGGAATA
 ACTTTTTGCACTTCCAAGTGAAGTATGCATAGCCGCTATTCTCTCCACGCTGCCCGTG
 AGGAGAGGACAGAAGCCAGCGGATCCGAGAGCAGGGTGGAGCCTCCGCATGAGAACGGGA



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ACCGGAGCCTGGAGACTCCCCAGCCGGCCGACGCTCCCTGACAACACAATGGTGACCC
 ACCTGTTCCAGAAGTGCCTGGTGCAGAGGATCCTGGAGGCCTGGGAAGCCAACGACC
 ACACGCAGGCAGCGGGTGGCATGAGACGTGGGAACATGGGCCACCTCACACGGATCGCCA
 ACGCGGTGGTGCAGAACCTGGAGCGGGCCCTGTGCAGACGCACATCAGCGAGGTATCC
 GAGGGCTCCCTGCGGACTGCCGTGGCCGCTGGGAGAGCTTCGTGGAGGAGACGCTGACGG
 AGACGAACCGCAGGAACACTGTGGACCTGGCCTTCTCTGACTACCAGATCCAGCAGATGA
 CAGCCAACCTTCGTGGATCAGTTTGGCTTCAATGATGAGGAGTTTCCGACCAGGACGACA
 ACATCAATGCCCGTTTTGACAGGATCGCAGAGATCAACTTCAACATCGACGCTGACGAGG
 ACAGTCCCAGCGCAGCTCTGTTTGGAGCCTGCTGCACTGACCGCATCCAGCCCTTTGATG
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 CCAGACCCAGGTTTGGAGCCCCCATGCTTCCAGAGAGTTGCTCAAAGAATGGCCAGAGC
 GTGGAGGCCAGGATGGGAAGGCGAGCTTGAAGCACACAGAGATGCACCTGGGCGAGGTG
 CCCCACCGGCCCGGGAAGAAGGAAGCCCCCTGTGGAGGGTGACTCAGAAGGCGCCA
 TGTGGACGGCAGTGTGATGAGCCAGCGAACTCAACGCCACAGCCCCAGGAGTGGTGA
 GGGACGTGGGTTCCAGTGTGTGGGCGAGTGGCACCTCAGCTCCAGAGGAGAAAGGCTGGG
 CCAAGTTCAGTACTTCCAACTTTCTGCTGCTCCGAGTCAGGGCCAGGTGCAGCTCTC
 CGGTGGACACAGAATGCAGCCATGCTGAGGGCAGCCGGAGCCAAGGCCCTGAGAAAAGCCT
 TCAGCCCAGGCTTCTCATGTGCCTGGAACGTGTGTGCACAGGAAGGCCCTGCTGG
 CCTCTGACAGTAGCTCCTCTGGGGGCTCCACAGCGAGGATGGCGACCATAAGGCAGCGA
 GTGCCATGGATGCGGTGAGCAGGGGTCCCGGCCGGGAGGCCCGCCCGTCCACAGTGG
 CCAGGACAGAGGAGGCGGTCCGCGAGGGTCCGGTGTGCTGACAGCCGGCTGTTAAGCCCTG
 CCTGCCCGCGCCAAAGGAAGTACTGCTGCCCGAGCCGTGGCTGTGCCCCCGAGGCTA
 CTGTGGCCATCACACAGCACTGAGCAAGGCTGGCCCCGCCATACCCACCCAGCAGTCT
 CTTCTGCACTGGCCGTGGCGTCCCCCTAGGGCCCATATGGCAGTCACAGCAGCCACG
 CCATGGTGGCCACCCTGGGGACAGTGACAAAGGACGGGAAGACAGATGCCCGCCAGAAG
 GAGCTGCCTTAAATGGCCAGTGTGATGCTGCTGCCGCCCGGCCACGGCCACCCTGGTC
 AGGCTGCCTCCTAATCGAGAAAACCTGCTGATGCAATCTTTTTTTTTTTAATTTAA
 TTTAATTTTAAAAATAATGCTGCATTGGTAAAGCTGGCAGTTGAAACCAGAAAAAAAAA
 AA

5' Read Nucleotide Sequence:

>OriGene 5' read for BC052995 unedited
 TAGAGGTTCACTACGCTGGNACAGCCATCCAGCTGTTTTGACCTCCTAGAAGAACCGGG
 ACCGATCCAGCCTCCGGTCTCTAGCCTAGGCCGCGGGACGGATAACAATTTACACAGGA
 AACAGCTATGACCATTAGGCCTATTTAGGTGACACTATAGAACAAGTTTGTACAAAAAG
 CAGGCTGGTACCGGTCCGGAATCCCGGATATCGTCGACCCACGCGTCCGCGGACGCGT
 GGGCGGACGCGTGGCGATCGGAGTGCCGCCCGCGGCCCGAGTCCGCTCGAGCCGCCG
 GCCGCCGTGCCGGTGTCCGTAGGCGCTGCGCCCTCGGCCGGCCATGTGTGTGCGGCC
 CGCCCCAGGCCCGCCGGCTTTGCTCCACCAGCGCCCTGGCCTCCGCTCGGGCCTCCAC
 ACGGGCCTCCGAAGAGCTGCCGCGACGCCCGGCCGAGGGCAGGTAAAGAGATTATAAA
 TCTTCCAATGAATGAAAAAATTTCTTAAAGTGCATATACTCCAAGAAAAAACACA
 AATGTTTTTCTGTTTGCCTGAATACATGATTTAAACAAGAGATTTCCACAGAAGCTCTG
 CGGCCGTACGATGTTCTGGAAGTTTACTTGAACACCACGTCCCATGTTGACAAGCTGC
 TGGACAAGGAGCATGTGACGCTGCAGGAGTTAATGGATGAAGATGACATCTTGACGAGT
 GTAAGGCTCANAACCAGAAACTGCTGGACTTCTGTGCAGGCAGCAGTGCATGGGAGAGC
 TTCTGACTTGTGATGTGCCGAGATCAGCGACCCCTCGGTGGGACGAGAGCCTGCTGA
 GCCTCTGTACGACTTCTTGGGACCATGACCGCCTTAAATCCTCTGGTCCGCAAGTATTT
 CAGCAAGACAGTAA

Restriction Sites:

NotI-NotI

ACCN:

BC052995

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:	<u>BC052995.2</u> , <u>AAH52995.1</u>
RefSeq Size:	3282 bp
Locus ID:	9701
Cytogenetics:	22q13.33
Gene Summary:	The protein encoded by this gene is a regulatory protein for the protein phosphatase-6 catalytic subunit. Together, these proteins act as a significant T-loop phosphatase for Aurora A, an essential mitotic kinase. Loss of function of either the regulatory or catalytic subunit of protein phosphatase-6 interferes with spindle formation and chromosome alignment. [provided by RefSeq, May 2017]