

Product datasheet for **SC126185**

SAPS2 (PPP6R2) (BC006568) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | SAPS2 (PPP6R2) (BC006568) 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 BC006568 edited
 CCATTTTGGAGCGATCGGAGTGCCGCCCGCGCCCGAGTCGGTCTCGAGCCCGCGCCG
 GCCGTGCCGGTGTCCGTAGCGCTGCGCCCTCGGCCGGGCCATGTGTGTGCGGCCCGCC
 CGAGGCCCGCCGGCTTTGCCTCCACCAGCGCCCTGGCTCCGCTCGGGCTCCACACGG
 GCCTCCGAAGAGCTGCCGCGACGCCCGCCCGCAGGGCAGGTAAGAGATTATAAATCTT
 CCACTGAATGAAAAAATTTTCTAAAGCTGCATATACTCCAAGAAAAAACACAAATG
 TTTTTCTGTTTGCCTGAATACATGATTTAAACAAGAGATTTCCACAGAAGCTCTGCGGC
 CGTCACCATGTTCTGGAAGTTTACTTGAACACCACGTCCCATGTTGACAAGCTGCTGGA
 CAAGGAGCATGTGACGCTGCAGGAGTTAATGGATGAAGATGACATCTTGCAAGAGTGTAA
 GGCTCAGAACCAGAAGCTGCTGGACTTCCTGTGCAGGCAGCAGTGCATGGAGGAGCTGGT
 GAGCCTCATCACACAGGATCCGCCCTGGACATGGAGGAGAAGGTCCGCTTCAAATATCC
 AAACACAGCCTGTGAGCTTCTGACTTGTGATGTGCCGCAGATCAGCGACCGCCTCGGTGG
 GGACGAGAGCCTGCTGAGCCTCCTGTACGACTTCTTGGACCATGAGCCGCTCTCAATCC
 TCTGCTCGCCAGTTTTTTCAGCAAGACCATTTGGCAATCTCATTGCAAGAAAAACCGAACA
 GGTGATTACGTTTTTGAAGAAGAAGGACAAGTTTATCAGCCTGGTGTGAAAGCACATCGG
 CACCTCAGCGCTTATGGACCTGCTGCTGCGCCTGGTCACTGTGTGGAGCCAGCCGGCT
 CCGGCAGGACGTCTGCACTGGCTGAATGAAGAGAAGGTATCCAGAGGCTTGTGGAGTT
 GATCCACCCGAGCCAGGATGAAGATAGGCAGTCAAATGCTTCTCAGACTCTCTGTGACAT
 AGTTAGGCTGGCAGAGACCAGGCAGTCAGCTGCAAGAGGCTCTGGAGCCAGACCCGCT
 CCTCACAGCGCTGGAGTGCAGGACTGTGTGGAGCAGTTCTGAAGAACATGTTTGTATGG
 AGACCGGACGGAGAGCTGCCTCGTCAGTGGGACTCAGGTGTTACTCACCTTGCTGGAAC
 CAGGCGGGTTGGGACAGAGGGCTTGGTGGACTCCTTTTCTCAGGGACTGGAAGGTCATA
 CGCTGTGACGAGCAGCGTACTACACGGCATCGAGCCTCGGCTGAAGGACTTCCACCAGCT
 CCTGCTCAACCCGCCAAGAAGAAAGCGATCCTGACCACCATTTGGTGTGCTGGAGGAGCC
 CCTGGGAATGCCGTCTGCATGGCGCCCGCTCATGGCAGCACTGCTGCACACAAACAC
 ACCCAGCATCAACCAGGAGCTCTGCCGGCTCAACACGATGGACTTACTGCTGGACTTGT
 CTTAAGTACACCTGGAATAACTTTTTGCCTTCAAGTGAAGTATGCATAGCCGCTAT



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TCTCTCCACGCTGCCCGTGAGGAGAGGACAGAAGCCAGCGGATCCGAGAGCAGGGTGA
 GCCTCCGCATGAGAACGGGAACCGGAGCCTGGAGACTCCCAGCCGGCCCGCCAGCCTCC
 TGACAACAATGGTGACCCACCTGTTCCAGAAGTGTGCCTGGTGCAGAGGATCCTGGA
 GGCCTGGGAAGCAACGACCACACGAGGACGCGGGTGGCATGAGACGTGGGAACATGGG
 CCACCTCACACGGATCGCCAACGCGTGGTGCAGAACCTGGAGCGGGCCCTGTGCAGAC
 GCACATCAGCGAGGTATCCGAGGGTCCCTGCGGACTGCCGTGGCCGCTGGGAGAGCTT
 CGTGGAGGAGACGCTGACGGAGACGAACCGAGAACACTGTGGACCTGGCCTTCTCTGA
 CTACCAGATCCAGCAGATGACAGCCAACCTTCGTGGATCAGTTTGGCTTCAATGATGAGGA
 GTTTGCCGACCAGGACGACAACATCAATGCCCCGTTTGACAGGATCGCAGAGATCAACTT
 CAACATCGACGCTGACGAGGACAGTCCCAGCGCAGCTCTGTTTGGAGCCTGCTGCAGTGA
 CCGCATCCAGCCCTTTGATGATGATGAGGACGAGGACATCTGGGAGGACAGTGACTCG
 CTGTGCTGCCCGGTGATGGCCAGACCCAGTTTGGAGCCCCCATGCTTCAAGAGTTG
 CTCAAAGAAATGGCCAGAGCGTGGAGGCCAGGATGGGAAGGCGAGCTTGAAGCACACAG
 AGATGCACCTGGGCGAGTGGCCACCGCCCGGGGAAGAAGGAGCCCCCTGTGGA
 GGGTGACTCAGAAGGCGCATGTGGACGGCAGTGTGATGAGCCAGCGAACTCAACGCC
 CACAGCCCCAGGAGTGGTGGGGACGTGGGTCCAGTGTGTGGGAGCTGGCACCTCAGC
 TCCAGAGGAGAAAGGCTGGGCCAAGTTCAGTACTTCCAACCTTCTGCTGCTCCGAGTC
 AGGGCCAGGTGCAGCTCTCCGGTGGACACAGAATGCAGCCATGCTGAGGGCAGCCGGAG
 CCAAGGCCCTGAGAAAGCCTTACGCCCGGCTTCTCCATGTGCCTGGAACGTGTGTGCAC
 CAGGAAGGCCCTGCTGGCCTGACAGTAGCTCCTCTGGGGCTCCACAGCGAGGA
 TGGCGACCAGAAGGCAGCGAGTGCCATGGATGCGGTGAGCAGGGTCCCGCCGGGAGGC
 CCCCCGCTGCCACAGTGGCCAGGACAGAGGAGCGGTGGCAGGGTGGGTGTGCTGA
 CAGCCGGCTGTTAAGCCCTGCTGCCCGGCCAAAGGAAGTACTGCTGCCACAGCGT
 GGCTGTGCCCGGAGGCTACTGTGGCCATCACCACAGCACTGAGCAAGGCTGGCCCGC
 CATAACCCACCCAGCAGTCTTCTGCACTGGCCGTGGCGTCCCCCTAGGGCCATCAT
 GGCAGTCACAGCAGCCCCAGCCATGGTGGCCACCCTGGGACAGTGACAAAGGACGGAA
 GACAGATGCCCGCCAGAAGGAGCTGCCTTAAATGGCCAGTGTGATGCTGCTGCCGCC
 GGCCACGGCCACCCTGGTCAAGCTGCCTCCTTAAATCGAGAAAACCTGGTGTGCAA
 TCTTTTTTTTTTAATTTAATTTAATTTAAAAATAAATGCTGCATTGGTAAAAAAAAA
 AAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for BC006568 unedited
 NGGAGTTCAGATTTTGTAAACGACTTCACTATAGGGCGGCCGGAATTCGCACGAGGCC
 ATTTTGGAGCGATCGGAGTGCCGCCCGGCCGAGTCGGTCTCGAGCCCGCGCCGGC
 CGTGCCGGTGTCCGTAGGCGCTGCGCCCTCGGCCGGGCCATGTGTGCGGCCCGCCG
 AGGCCGCCGGGCTTGCCTCCACCAGCGCCCTGGCCTCCGCTCGGGCCTCCACAGGGC
 CTCGAAGAGCTGCCGACGCCCGGCCGAGGGCAGGTAAGAGATTATAAATCTTCC
 ACTGAATGAAAAAATTTCTTAAAGCTGCATATACTCCAAGAAAAAACCAAAATGTT
 TTTCTGTTTTGCCTGAATACATGATTTAAACAAGAGATTTCCACAGAAGCTTGCGCCG
 TCACCATGTTCTGGAAGTTTGACTTGAACACCAGTCCCATGTTGACAAGCTGCTGGACA
 AGGAGCATGTGACGCTGCAGGATTAATGGATGAAGATGACATCTTGCAGGAGTGAAGG
 CTCAGAACCAGAAGCTGCTGGACTTCTGTGCAGGACAGTGCATGGAGGAGCTGGTGA
 GCCTCATCACACAGGATCCGCCCTGGACATGGAGGAGAAGGTCCGCTTCAAATATCAA
 ACACAGCCTGTGAGCTTCTGACTTGTGATGTGCCGAGATCAGCGACCGCCTCGGTGGG
 ACGAGAGCCTGCTGAGCCTCTGTACGACTTCTGNNACCATGAGCCGCTCTCAATCTCT
 GCTCGCCAGTTTTTTCAGCAAGACCATTTGGCAATCTCATTGCAAGAAAAACCGACAGGTG
 ATTACGTTTTTGAAGAAAAGGACAGGTATCAGCCTGGTGTGAGCACATCNGCACCTCA
 GCGCTTA

Restriction Sites:

Please inquire

ACCN:

BC006568

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| 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: | BC006568.2 , AAH06568.1 |
| RefSeq Size: | 3311 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] |