

Product datasheet for **SC331919**

SAPS2 (PPP6R2) (NM_001242898) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | SAPS2 (PPP6R2) (NM_001242898) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | SAPS2 |
| Synonyms: | KIAA0685; PP6R2; SAP190; SAPS2 |
| Vector: | pCMV6-Entry (PS100001) |



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Fully Sequenced ORF: >SC331919 representing NM_001242898.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTTCTGGAAGTTTGACTTGAACACCACGTCCCATGTTGACAAGCTGCTGGACAAGGAGCATGTGACG
 CTGCAGGAGTTAATGGATGAAGATGACATCTTGCAGGAGTGAAGGCTCAGAACCAGAAGCTGCTGGAC
 TTCCTGTGCAGGCAGCAGTGCATGGAGGAGCTGGTGAGCCTCATCACACAGGATCCGCCCTGGACATG
 GAGGAGAAGGTCGCTTCAAATATCCAAACACAGCCTGTGAGCTTCTGACTTGTGATGTGCCGCAGATC
 AGCGACCCCTCGGTGGGGACGAGAGCCTGCTGAGCCTCCTGTACGACTTCTTGACCATGAGCCGCT
 CTCAATCCTCTGCTCGCCAGTTTTTTTCAGCAAGACCATTGGCAATCTCATTGCAAGAAAAACCGAACAG
 GTGATTACGTTTTTGAAGAAGAAGGACAAGTTCATCAGCCTGGTGTGAAAGCACATCGGCACCTCAGCG
 CTTATGGACCTGCTGCTGCGCCTGGTCAGCTGTGTGGAGCCAGCCGGGCTCCGGCAGGACGTCTGCAC
 TGGCTGAATGAAGAGAAGGTATCCAGAGGCTTGTGGAGTTGATCCACCCGAGCCAGGATGAAGATAGG
 CAGTCAAATGCTTCTCAGACTCTCTGTGACATAGTTAGGCTGGCAGAGACCAGGCGAGTGTGAGTCAA
 GAGGCTCTGGAGCCAGACCCGCTCCTCACAGCGCTGGAGTCGAGGACTGTGTGGAGCAGCTTCTGAAG
 AACATGTTTGTGAGGACCGGACGAGAGCTGCCTCGTACGTGGGACTCAGGTGTTACTCACCTTGCTG
 GAAACCAGGCGGGTTGGGACAGAGGGCTTGGTGGACTCCTTTTCTCAGGGACTGGAAGGTCATACGCT
 GTCAGCAGCAGCGTACTACACGGCATCGAGCCTCGGCTGAAGGACTTCCACCAGCTCCTGCTCAACCCG
 CCCAAGAAGAAAGCGATCCTGACCACATTGGTGTGCTGGAGGAGCCCTGGGGAATGCCGCTGTCAT
 GGCGCCCGCTCATGGCAGCACTGCTGCACACAAACACCCAGCATCAACCAGGAGCTCTGCCGGCTC
 AACACGATGGACTTACTGCTGGACTTGTCTTTAAGTACACCTGGAATAACTTTTTGCACTTCCAAGTG
 GAACTATGCATAGCCGCTATTCTCTCCACGCTGCCCGTGAAGGAGGACAGAAGCCAGCGGATCCGAG
 AGCAGGTTGGAGCCTCCGCATGAGAACGGGACCGGAGCCTGGAGACTCCCAGCCGGCCGACGCTC
 CCTGACAACACAATGGTGAACCACTGTTCCAGAAGTGCCTGCCTGGTGCAGAGGATCCTGGAGCCG
 GAAGCCAACGACCACACGAGGACGGGTGGCATGAGAGCTGGGAACATGGGCCACCTCACACGGATC
 GCCAACGCGGTGGTGCAGAACCTGGAGCGGGCCCTGTGCAGACGCACATCAGCGAGGTCATCCGAGGG
 CTCCTGCGGACTGCCGTGGCCGCTGGGAGAGCTTCTGTGGAGGAGACGCTGACGGAGACGAACCGCAGG
 AACACTGTGGACCTGGTGAAGCACTACCACCTTCACTCCTCAAGTGAGGACGAGGACATTGAGGGTGT
 TTCCCTAACGAGCTGTCCCTCAGCAGGCTTCTCTGACTACCAGATCCAGCAGATGACAGCCAACCTC
 GTGGATCAGTTTGGCTTCAATGATGAGGAGTTTGGCGACCAGGACGACAACATCAATGCCCGTTTGC
 AGGATCGCAGAGATCAACTTCAACATCGACGCTGACGAGGACAGTCCCAGCGCAGCTCTGTTTGAAGCC
 TGCTGCAGTGACCGCATCCAGCCCTTGTGATGATGAGGACGAGGACATCTGGGAGGACAGTGACT
 CGCTGTGCTGCCCGGTGATGGCCAGACCAGGTTTGGAGCCCCCATGCTTCAAGAGAGTTGCTCAAAG
 AATGGCCCAGAGCGTGGAGGCCAGGATGGGAAGGCGAGCTTGAAGCACACAGAGATGCACCTGGGGCA
 GGTGCCCCACCGCCCCGGGAAGAAGGAGCGCCCCCTGTGGAGGGTACTCAGAAGGCGCCATGTGG
 ACGGCAGTGTGATGAGCCAGCGAACTCAACGCCACAGCCCCAGGAGTGGTGAAGGACGTGGGTTCC
 AGTGTGTGGGACGCTGGCACCTCAGCTCCAGAGGAGAAAGGCTGGGCCAAGTTCACTGACTTCCAACCT
 TTCTGCTGCTCCGAGTCAGGGCCAGGTGCAGCTCTCCGGTGGACACAGAATGCAGCCATGCTGAGGGC
 AGCCGGAGCCAAGGCCCTGAGAAAGCCTCAGCCCGCTTCTCCATGTGCTGGAACGTGTGTGTCACC
 AGGAAGGCCCCCTGCTGGCCTTGACAGTAGCTCCTCTGGGGGCTCCCACAGCGAGGATGGCCAGCAG
 AAGGCAGCGAGTGCCATGGATGCGGTGAGCAGGGGTCCCGCCGGGAGGCCCCCGCTGCCACAGTG
 GCCAGGACAGAGGAGGCTGTCCGAGGGTGGGTGTGCTGACAGCCGGCTGTTAAGCCCTGCCTGCCCC
 GCGCCAAAGGAAGTACTGCTGCCCCAGCCGTGGCTGTGCCCCCGAGGCTACTGTGCCATCACCACA
 GCACTGAGCAAGGCTGGCCCCGCATACCCACCCAGCAGTCTTCTGCACTGGCCGTGGCGGTCCCC
 CTAGGGCCCATCATGGCAGTCACAGCAGCCCCAGCCATGGTGGCCACCCTGGGGACAGTGACAAAGGAC
 GGAAGACAGATGCCCGCCAGAAGGAGCTGCCTAAATGGCCAGTGTGA

Restriction Sites: SgfI-MluI
ACCN: NM_001242898
Insert Size: 2880 bp

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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: | NM_001242898.1 |
| RefSeq Size: | 4104 bp |
| RefSeq ORF: | 2880 bp |
| Locus ID: | 9701 |
| UniProt ID: | O75170 |
| Cytogenetics: | 22q13.33 |
| MW: | 104.2 kDa |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (1) encodes isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |