

## Product datasheet for **SC126519**

### PP11 (ENDOU) (NM\_006025) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | PP11 (ENDOU) (NM_006025) Human Untagged Clone   |
| Tag:                      | Tag Free  |
| Symbol:                   | PP11  |
| Synonyms:                 | P11; PP11; PRSS26   |
| Mammalian Cell Selection: | None  |
| Vector:                   | <u>pCMV6-XL4</u>  |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| Fully Sequenced ORF:      | >NCBI ORF sequence for NM_006025, the custom clone sequence may differ by one or more nucleotides |

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ATGAGGGCCTGCATCTCCCTGGTATTGGCCGTGCTGTGTGGCCTGGCCTGGGCTGAGGACCACAAAGAGT
CAGAGCCATTGCCACAGCTGGAGGAAGAGACAGAAGAGGCCCTCGCCAGCAACTTGTACTCGGCACCCAC
CTCCTGCCAGGGCCGCTGCTACGAAGCCTTTGACAAGCACCACCAATGTCAGTGAATGCCCGCTGCCAA
GAGTTTGGGAAGTGTGCAAGGATTTTGGAGAGCCTGTGTAGTGACCACGAGGTCTCCACAGCAGTGATG
CCATAACAAAAGAGGAGATTGAGAGCATCTCTGAGAAGATCTACAGGGCAGACACCAACAAAGCCCAGAA
GGAAGACATCGTTCTCAATAGCCAAAAGTGCATCTCCCGTCAGAGACCAGAAACCAAGTGGATCGCTGC
CCAAAGCCACTTTCACCTTATGTCAATGAGAAGCTGTTCTCCAAGCCACCTATGCAGCCTTCATCAACC
TCCTCAACAACTACCAGCGGGCAACAGGCCATGGGGAGCACTTCAGTGCCAGGAGCTGGCCGAGCAGGA
CGCCTTCCCTCAGAGAGATCATGAAGACAGCAGTCAATGAAGGAGCTCTACAGCTTCCCTCCATCACCAGAAT
CGCTATGGCTCAGAGCAAGAGTTTGTGATGACTTGAAGAATGTGGTTTGGGCTCTATTCAAGAGGCA
ATGAAGAGGGGGACTCGAGTGGCTTTGAACATGTCTTCTCAGGTGAGGTAAGGCAAGGTTACTGG
CTTCCATAACTGGATCCGCTTCTACCTGGAGGAGAAGGAGGCTGTTGACTATTACAGTCACATCTAC
GATGGGCTTGGGATTCTTACCCGATGTGCTGGCAATGCAGTTCAACTGGGACGGCTACTATAAGGAAG
TGGGCTGCTTTCATCGGCAGCAGCCCTGAGTTTGGTTGACTCTACTCCCTGTGCTTCATCGCCAG
GCCAGGCAAAGTGTCCAGTTAAGCCTGGGAGGATATCCCTTAGCTGTCCGGACATATACCTGGGACAAG
TCCACCTATGGGAATGGCAAGAAGTACATCGCCACAGCCTACATAGTGTCTTCCACCTAA
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|                                     |  |
|-------------------------------------|--|
| <b>5' Read Nucleotide Sequence:</b> | >OriGene 5' read for NM_006025 unedited<br>CATAATTTGTATACGACNACTATAGGCGGCCCGCGAATTCGCACCATACATCTTGAGGAA<br>TAAAGCTCGTCTGATATCTGTGACATTCATCTGACTCTAGTAAAAGTCCAACAGCCACTC<br>CCTTTTGGCCTCCAACCTGGGCACCATGAGGGCCTGCATCTCCCTGGTATTGGCCGTGCT<br>GTGTGGCTGGCTGGGCTGACTGTACTCGGCACCCACCTCCTGCCATGGCCGCTGCTA<br>CGAATCCTTTGACAAGCACCACCAATGCTACTGCAATGCCCGCTGCCAAGAGTTTGGGAA<br>CTGCTGCAAGGATTTTGGAGAGCCTGTGTAGTGACCACGATGTCTCCACACAGCAGTGATGC<br>CATAACAAAAGATGAGATTCAGAGCATCTCTGATAAGATCTACAGGGCAGACACCAACAA<br>AGCCCATAACGAAGACATCGCTCTCAATAGCCAAAAGTGCATCTCCCGTCAGATACCAT<br>AAACCAAGTGGATCGCTGCCCAAAGCCACTCTTCACTTATGTCAATGAGAAAAGCTGTTCT<br>CCAAGCCACCTATGCAGCCTTCATCAACCTCCTCAACAACCTACCAGCGGGCAACATGCC<br>ATGGGGAGCACTTCAATGCCATGATCTGGCCGAGCANGACGCCCTTCTCATATAGATCA<br>TGAAGACAGCAGTCATGAATGATCTCTACAGCTTCTCCATCACCAGATTCGCTATGGCT<br>CAAAGCAAAGAGCTGGNCGATGACCTGATATACTGGTNGGCTAGGGCTCTATTGAGAAATG<br>CATGAATAAGGGGGACTCGAGTGGCTCTGATCATGTCTNCTCANGCGATGTAATAAGGC<br>AAGCTACTGGCTTCTNANCTGATCGTCNCTCCCCGCGAAGAAAAGAGGAGGGCTGGTG<br>ACTTATAAAGGCCATNCTAAATGGGCCNTGGGNGATNCTACCCCGATTGCTGNNNATGC<br>NTTCACCTGGGACNGACACTAAAGNAAAGTGGCTCTGCCTTCATCGAGAACCCTGAANAT<br>TNGAGTTGCCTCCATACCCGTGGCTCACA |
| <b>Restriction Sites:</b>           | NotI-NotI  |
| <b>ACCN:</b>                        | NM_006025  |
| <b>Insert Size:</b>                 | 2300 bp  |
| <b>OTI Disclaimer:</b>              | 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).   |
| <b>Components:</b>                  | 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).   |
| <b>Reconstitution Method:</b>       | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>  |
| <b>RefSeq:</b>                      | <u><a href="#">NM_006025.2</a></u> , <u><a href="#">NP_006016.1</a></u>  |
| <b>RefSeq Size:</b>                 | 2351 bp  |
| <b>RefSeq ORF:</b>                  | 1110 bp  |
| <b>Locus ID:</b>                    | 8909   |
| <b>UniProt ID:</b>                  | <u><a href="#">P21128</a></u>  |
| <b>Cytogenetics:</b>                | 12q13.11   |
| <b>Domains:</b>                     | SO   |

**Protein Families:** Protease

**Gene Summary:** This gene encodes a protein with endoribonuclease activity that binds polyuridine-enriched single-stranded RNA. This gene was initially characterized based on its high expression in placenta but was mischaracterized as a serine protease. In mouse, this gene promotes tolerance to self-antigens by regulating B cell activation-induced cell death (AICD). The protein may be useful as a tumor marker. Multiple alternatively spliced transcript variants encoding distinct protein isoforms have been found for this gene. [provided by RefSeq, Jul 2020]  
**Transcript Variant:** This variant (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. The resulting protein (isoform 2) has a shorter N-terminus when it is compared to isoform 1.