

Product datasheet for SC328561

PP11 (ENDOU) (NM_001172440) Human Untagged Clone

Product data:

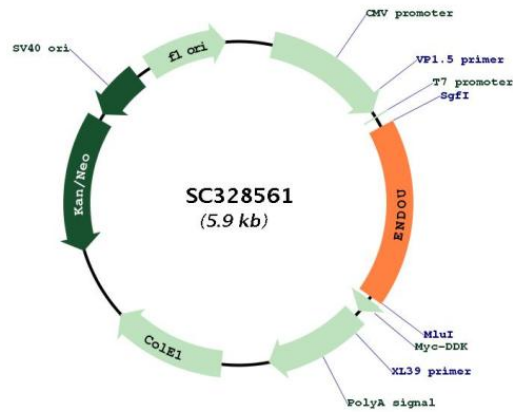
Product Type:	Expression Plasmids
Product Name:	PP11 (ENDOU) (NM_001172440) Human Untagged Clone
Tag:	Tag Free
Symbol:	ENDOU
Synonyms:	P11; PP11; PRSS26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328561 representing NM_001172440. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGGGCCTGCATCTCCCTGGTATTGGCCGTGCTGTGTGGCCTGGCCTGGGCTGACTTGTACTCGGCA
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TTCATCAACCTCCTCAACAACTACCAGCGGCAACAGGCCATGGGGAGCACTTCAGTGCCAGGAGCTG
GCCGAGCAGGACGCTTCTCAGAGAGATCATGAAGACAGCAGTCATGAAGGAGCTCTACAGCTTCTC
CATCACCAGAATCGTATGGCTCAGAGCAAGAGTTTGTGATGACTTGAAGAACATGTGGTTTGGGCTC
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TACAGTCACATCTACGATGGGCTTGGGATTCTTACCCGATGTGCTGGCAATGCAGTTCAACTGGGAC
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TCCACCTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001172440

Insert Size: 1044 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:

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_001172440.1](#)

RefSeq Size: 2285 bp

RefSeq ORF: 1044 bp

Locus ID: 8909

UniProt ID: [P21128](#)

Cytogenetics: 12q13.11

Protein Families: Protease

MW: 39.6 kDa

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 (3) lacks two alternate in-frame coding region segments, compared to variant 1. The resulting protein (isoform 3) is shorter when it is compared to isoform 1.