

Product datasheet for **RG229923**

PP11 (ENDOU) (NM_001172440) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PP11 (ENDOU) (NM_001172440) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ENDOU
Synonyms: P11; PP11; PRSS26
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG229923 representing NM_001172440
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGAGGGCTGCATCTCCCTGGTATTGGCCGTGCTGTGTGGCCTGGCCTGGGCTGACTTGTACTCGGCAC
 CCACCTCCTGCCAGGGCCGCTGCTACGAAGCCTTTGACAAGCACCACCAATGTCCTGCAATGCCCGCTG
 CCAAGAGTTGGGAAGTCTGCAAGGATTTGAGAGCCTGTGTAGTGACCAGGAGTCTCCACAGCAGT
 GATGCCATAACAAAAGAGGAGATTAGAGCATCTCTGAGAAGATCTACAGGGCAGACACCAACAAAGCCC
 AGAAGGAAGACATCGTTCTCAATAGCCAAAAGTGCATCTCCCGTCAGAGACCAGAAACCAAGTGGATCG
 CTGCCAAAGCCACTCTTCACTTATGTCAATGAGAAGCTGTTCTCCAAGCCACCTATGCAGCCTTCATC
 AACCTCCTCAACAACTACCAGCGGGCAACAGGCCATGGGGAGCACTTCAGTGCCAGGAGCTGGCCGAGC
 AGGACGCCTTCTCAGAGAGATCATGAAGACAGCAGTCATGAAGGAGCTCTACAGCTTCCATCACCA
 GAATCGTATGGCTCAGAGCAAGAGTTTGTGATGACTTGAAGAACATGTGGTTTGGGCTCTATTCAAGA
 GGCAATGAAGAGGGGGACTCGAGTGGCTTTGAACATGTCTTTCAGGTGAGGTAAGGCAAGGTTA
 CTGGCTTCCATAACTGGATCCGCTTCTACCTGGAGGAGAAGGAGGTTCTGGTTGACTATTACAGTCACAT
 CTACGATGGGCTTGGGATCTTACCCCGATGTGCTGGCAATGCAGTTCAACTGGGACGGCTACTATAAG
 GAAGTGGGCTCTGCTTTCATCGGCAGCAGCCCTGAGTTTGAGTTTGCCTACTCCCTGTGCTTCATCG
 CCAGGCCAGGCAAGTGTCCAGTTAAGCCTGGGAGGATATCCCTTAGCTGTCGGACATATACCTGGGA
 CAAGTCCACCTATGGGAATGGCAAGAAGTACATCGCCACAGCCTACATAGTGTCTTCCACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229923 representing NM_001172440
 Red=Cloning site Green=Tags(s)

MRACISLVLA V L CGLAWADLYSAPTSCQGRCEAFDKHHQCHCNARCQEFGNCKDFESLCSDEHVS HSS
 DAITKEEIQSISEKIYRADTNKAQKEDI VLNSQNCISPSETRNQVDRCPKPLFTYVNEKLF SKPTYAAFI
 NLLNNYQRATGHGEHFS AQELAEQDAFLREIMKTAVMKELYSFLHHQNRYGSEQEFVDDLKNMWFGLYSR
 GNEEGDSSGF EHVFSGEVKKGKVTGFHNWIRFYLEEKEGLVDYYSHIYDGPWDSYPDV LAMQFNWDGY YK
 EVGSAFIGSSPEFEFALYSLCFIARPGKVCQLSLGGYPLAVRITYTWDKSTYGNKKYIATAYIVSST

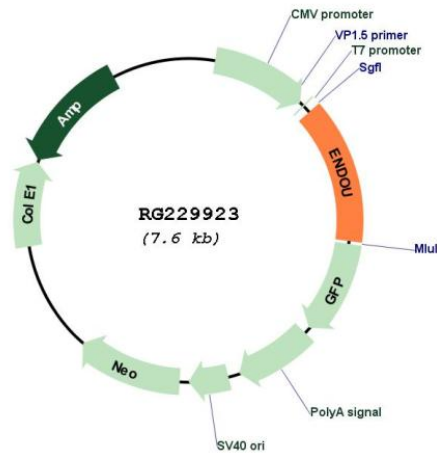
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001172440

ORF Size: 1041 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001172440.2
RefSeq Size:	2285 bp
RefSeq ORF:	1044 bp
Locus ID:	8909
UniProt ID:	P21128
Cytogenetics:	12q13.11
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]