

Product datasheet for **MG211260**

Prpf6 (NM_133701) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prpf6 (NM_133701) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prpf6
Synonyms:	1190003A07Rik; 2610031L17Rik; ANT-1; U5-102K
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG211260 representing NM_133701
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAACAAGAAGAAGAAGCCGTTCTGGGCATGCCTGCGCCGCTGGGCTACGTACCCGGGCTGGGCAGGG
 GTGCCACTGGCTTACCACCCGATCAGACATCGGGCCTGCTCGGGATGCAAATGATCCTGTGGATGATCG
 CCATGCCCCACCAGGGAAGAGAAGTGTGGGGGACCAGATGAAGAAAAATCAGGCGGCTGATGATGATGAT
 GAAGATCTGAATGATACCAACTACGATGAGTTTAAATGGCTATGCTGGGAGCCTCTTCTCAAGTGGGCCCT
 ATGAAAAAGATGATGAGGAAGCAGATGCTATTTATGCAGCTCTGGATAAAAAGGATGGATGAGAGAAGAAA
 AGAGAGAAGAGAGCAAAGGGAGAAAAGAAGAGATTGAGAAATACCGAATGGAACGTCCCAAAATCCAGCAG
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 GGTATCTGACTCAGTGAAGTGGGCAGACTGTTGTGGACCCAAAGGCTACCTGACAGATCTAAATCCATG
 ATCCCAACCCATGGCGGGGACATAAATGACATCAAGAAAGCAGACTACTTCTCAAATCTGTTCCGAGAAA
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 AGAGGTGCTATGGCTCATGGGTGCCAAGTCAAAGTGGCTGGCAGGGGATGTACCTGCAGCAAGGAGCATC
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 GCATGAACTGAGGAGCAACAGGAGGAGGTGAGGAAACGCTGTGAGAATGCAGAGCCCCGACATGGAGAG
 CTGTGGTGTGCTGTGTCCAAGGATATCACAACCTGGCAGAGGAAGATTGGGAAAATCCTAGTCTGTGTG
 CGCCCCGATCAAAAATACCTTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG211260 representing NM_133701
 Red=Cloning site Green=Tags(s)

MNKKKKPFLGMPAPLGYVPGLGRGATGFTTTRSDIGPARDANDPVDDRHAPPKRTVGDQMKNQAADDD
 EDLNDNTNYDEFNGYAGSLFSSGPYEKDDDEADAIYAALDKRMDERRKERREQREKEEIEKYRMERPKIQQ
 QFSDLKRKLAEVTEEEWLSIPEVGDARNKRQRNPRYEKLTVPVDSFFAKHLQTGENHTSVDPQRQTQFGL
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 RLQPGDTAKAVVAQAVRHLPQSVRIYIRAAELETDIRAKRVLRLKALEHVPNSVRLWKAAVELEEPEDAR
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 ITSLRANGVEINREQWIIQDAEECDRAGSVATCQAVMRAVIGIGIEEEDRKHTWMEDADSCVAHNALECAR
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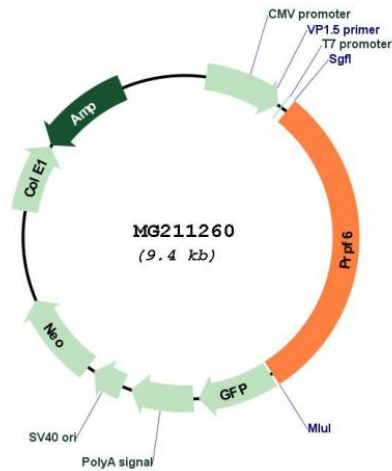
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_133701

ORF Size: 2823 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:

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_133701.2](#), [NP_598462.1](#)

RefSeq Size: 3071 bp

RefSeq ORF: 2826 bp

Locus ID: 68879

UniProt ID: [Q91YR7](#)

Cytogenetics: 2 H4

Gene Summary:

Involved in pre-mRNA splicing as component of the U4/U6-U5 tri-snRNP complex, one of the building blocks of the spliceosome. Enhances dihydrotestosterone-induced transactivation activity of AR, as well as dexamethasone-induced transactivation activity of NR3C1, but does not affect estrogen-induced transactivation.[UniProtKB/Swiss-Prot Function]