

Product datasheet for **RG200527**

ANT 1 (PRPF6) (NM_012469) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANT 1 (PRPF6) (NM_012469) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANT 1
Synonyms:	ANT-1; ANT1; C20orf14; hPrp6; Prp6; RP60; SNRNP102; TOM; 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:

>RG200527 representing NM_012469
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACAAGAAGAAGAAACCGTTCTAGGGATGCCCGCGCCCTCGGCTACGTGCCGGGGCTGGGCCGGG
 GCGCCACTGGCTTACCACGCGGTCAGACATTGGGCCCGCCCGTATGCAAATGACCCTGTGGATGATCG
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 CTGTGGTGCCTGTCCAAGGACATCGCAACTGGCAGAAGAAGATCGGGGACATCCTTAGGCTGGTGG
 CCGGCCCATCAAGAACACCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200527 representing NM_012469
Red=Cloning site Green=Tags(s)

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MNKKKKPFLGMPAPLGYVPGLGRGATGFTTTRSDIGPARDANDPVDDRHAPP GKRTVGDQMKNQAADDD
EDLNDNTNYDEFNGYAGSLFSSGPYEKDDDEADAIYAALDKRMDERRKERREQREKEEIEKYRMERPKIQ
QFSDLKRKLAEVTEEEWLSIPEVGDARNKRQRNPRYEKLTVPVDSFFAKHLQTGENHTSVDPQRQTQF
NTPYPGGLNTPYPGGMTPGLMTPGTGELDMRKIGQARNTLMDMRLSQVSDSVSGQTVVDPKGYLTDLNS
IPTHGGDINDIKKARLLLKSVRETNP HHPAWIASARLEEV TGKLQVARNLIMKGT MCPK SEDVWLEAA
RLQPGDTAKAVVAQAVRHLPQSVRIYIRAAELETDIRAKRVLRLKALEHVPNSVRLWKA AVELEEPEDAR
IMLSRAVECCPTSVELWLALARLETYENARKVLNKARENIPDRHIWITAAKLEEANGNTQMVEKIIDRA
ITSLRANGVEINREQWIQDAEECDRAGSVATCQAVMRAVIGIGIEEEDRKHTW MEDADSCVAHNALECAR
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LALAFQANPNSEEIWLAAVKLESENDEYERARRLLAKARSSAPTARVFMKSVKLEWVQDNIRAAQDLCEE
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LKNPKN PGLWLESVRLEYRAGLKN IANTLMAKALQECPNGILWSEAI FLEARPQRRTKSV DALKKCEHD
PHVLLAVAKLFW SQRKITKAREWFHRTVKIDS DLGDAWAFFYK FELQHGTEEQEEV RKRCSAEPRHGE
LWCAVSKDIANWQKKIGDILRLVAGRIKNTF
    
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TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

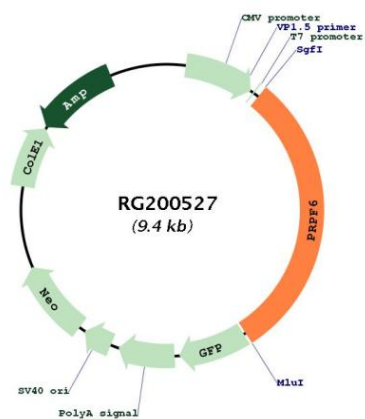


ACCN: NM_012469

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:	<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_012469.4
RefSeq Size:	3120 bp
RefSeq ORF:	2826 bp
Locus ID:	24148
UniProt ID:	O94906
Cytogenetics:	20q13.33
Domains:	TPR, HAT
Protein Families:	Druggable Genome
Protein Pathways:	Spliceosome
Gene Summary:	The protein encoded by this gene appears to be involved in pre-mRNA splicing, possibly acting as a bridging factor between U5 and U4/U6 snRNPs in formation of the spliceosome. The encoded protein also can bind androgen receptor, providing a link between transcriptional activation and splicing. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG200527